```
UUU           UUU  EEEEEEEEEEEEEEE  TTTTTTTTTTTTTTT  PPPPPPPPPPPP       SSSSSSSSSSSS  YYY              YYY
UUU           UUU  EEEEEEEEEEEEEEE  TTTTTTTTTTTTTTT  PPPPPPPPPPPP       SSSSSSSSSSSS  YYY              YYY
UUU           UUU  EEEEEEEEEEEEEEE  TTTTTTTTTTTTTTT  PPPPPPPPPPPP       SSSSSSSSSSSS  YYY              YYY
UUU           UUU  EEE                       TTT     PPP        PPP  SSS              YYY              YYY
UUU           UUU  EEE                       TTT     PPP        PPP  SSS              YYY              YYY
UUU           UUU  EEE                       TTT     PPP        PPP  SSS              YYY              YYY
UUU           UUU  EEE                       TTT     PPP        PPP  SSS                 YYY        YYY
UUU           UUU  EEE                       TTT     PPP        PPP  SSS                 YYY        YYY
UUU           UUU  EEEEEEEEEEE               TTT     PPPPPPPPPPPP       SSSSSSSSS           YYY
UUU           UUU  EEEEEEEEEEE               TTT     PPPPPPPPPPPP       SSSSSSSSS           YYY
UUU           UUU  EEEEEEEEEEE               TTT     PPPPPPPPPPPP       SSSSSSSSS           YYY
UUU           UUU  EEE                       TTT     PPP                         SSS        YYY
UUU           UUU  EEE                       TTT     PPP                         SSS        YYY
UUU           UUU  EEE                       TTT     PPP                         SSS        YYY
UUU           UUU  EEE                       TTT     PPP                         SSS        YYY
UUUUUUUUUUUUUUUUU  EEEEEEEEEEEEEEE           TTT     PPP              SSSSSSSSSSSS          YYY
UUUUUUUUUUUUUUUUU  EEEEEEEEEEEEEEE           TTT     PPP              SSSSSSSSSSSS          YYY
UUUUUUUUUUUUUUUUU  EEEEEEEEEEEEEEE           TTT     PPP              SSSSSSSSSSSS          YYY
```

```
SSSSSSSS    AAAAAA    TTTTTTTTTT   SSSSSSSS    SSSSSSSS   FFFFFFFFFF    000000    5555555555
SSSSSSSS    AAAAAA    TTTTTTTTTT   SSSSSSSS    SSSSSSSS   FFFFFFFFFF    000000    5555555555
SS          AA    AA      TT       SS          SS         FF           00    00   55
SS          AA    AA      TT       SS          SS         FF           00    00   55
SS          AA    AA      TT       SS          SS         FF           00  0000   555555
SS          AA    AA      TT       SS          SS         FF           00  0000   555555
   SSSSSS   AA    AA      TT          SSSSSS      SSSSSS  FFFFFFF      00 00 00        55
   SSSSSS   AAAAAAAAAA     TT          SSSSSS      SSSSSS  FFFFFFF     00 00 00        55
       SS   AAAAAAAAAA     TT              SS          SS  FF          0000   00        55
       SS   AA    AA       TT              SS          SS  FF          0000   00        55
       SS   AA    AA       TT              SS          SS  FF          00     00   55    55
SSSSSSSS    AA    AA       TT       SSSSSSSS    SSSSSSSS   FF           000000    555555
SSSSSSSS    AA    AA       TT       SSSSSSSS    SSSSSSSS   FF           000000    555555

LL          IIIIII    SSSSSSSS
LL          IIIIII    SSSSSSSS
LL            II    SS
LL            II    SS
LL            II    SS
LL            II       SSSSSS
LL            II       SSSSSS
LL            II            SS
LL            II            SS
LL            II            SS
LLLLLLLLL   IIIIII    SSSSSSSS
LLLLLLLLL   IIIIII    SSSSSSSS
```

SATSSF05
V04-000

L 16
- SATS SYSTEM SERVICE TESTS (FAILING S. 16-SEP-1984 00:33:45 VAX/VMS Macro V04-00   Page 1
                                        5-SEP-1984 04:27:50 [UETPSY.SRC]SATSSF05.MAR;1   (1)

```
0000      1              .TITLE  SATSSF05 - SATS SYSTEM SERVICE TESTS  (FAILING S.C.)
0000      2              .IDENT  'V04-000'
0000      3
0000      4
0000      5 ;**************************************************************************
0000      6 ;*                                                                        *
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0000     23 ;*   SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.               *
0000     24 ;*                                                                        *
0000     25 ;*                                                                        *
0000     26 ;**************************************************************************
0000     27 ;
0000     28
0000     29 ;++
0000     30 ; FACILITY:      SATS SYSTEM SERVICE TESTS
0000     31 ;
0000     32 ; ABSTRACT:      THE SATSSF05 MODULE TESTS THE EXECUTION OF CERTAIN
0000     33 ; VMS SYSTEM SERVICES, INVOKED IN SUCH A WAY AS TO EXPECT FAILING
0000     34 ; STATUS CODES. THE SYSTEM SERVICES TESTED AND THE STATUS CODES
0000     35 ; EXPECTED ARE SUMMARIZED AS ARGUMENTS TO THE TESTSERV MACROS
0000     36 ; WHICH APPEAR NEAR THE END OF THIS LISTING. SUCCESSFUL STATUS
0000     37 ; CODES ARE TESTED IN OTHER MODULES.
0000     38 ;
0000     39 ;
0000     40 ; ENVIRONMENT: USER MODE IMAGE; NEEDS CMKRNL PRIVILEGE,
0000     41 ;              DYNAMICALLY ACQUIRES OTHER PRIVILEGES, AS NEEDED.
0000     42 ;
0000     43 ; AUTHOR: THOMAS L. CAFARELLA,           CREATION DATE: MMM, 1978
0000     44 ;         PAUL D. FAY (DISPSERV & TESTSERV MACROS)
0000     45 ;
0000     46 ; MODIFIED BY:
0000     47 ;
0000     48 ;              VERSION 1.50 : 25-MAY-79
0000     49 ;
0000     50 ;    V03-001 LDJ0001         Larry D. Jones,          11-Apr-1983
0000     51 ;            Removed the three 29 testcases because of a restriction
0000     52 ;            removal from the exec.
0000     53 ;--
```

```
                0000    55                .SBTTL  DECLARATIONS
                0000    56 ;
                0000    57 ; INCLUDE FILES:
                0000    58 ;
                0000    59          $PRVDEF                              ; SYMBOL DEFS FOR PRIVILEGES
                0000    60          $UETPDEF                             ; UETP MSG CODE DEFINITIONS
                0000    61          $SHR_MESSAGES UETP,116,<<TEXT,INFO>>
                0000    62                                              ; DEFINE UETP$ TEXT
                0000    63          $PHDDEF                              ; PROCESS HEADER DEFINNITION
                0000    64          $PCBDEF                              ; PROCESS CONTROL BLOCK DEFINITION
                0000    65          $STSDEF                              ; STATUS DEFINITION
                0000    66          $DIBDEF                              ; DEFINE DEVICE INFO BLOCK OFFSETS
                0000    67 ;
                0000    68 ; MACROS:
                0000    69 ;
                0000    70 ;
                0000    71 ; EQUATED SYMBOLS:
                0000    72 ;
00000000        0000    73 WARNING           = 0                        ; WARNING SEVERITY VALUE FOR MSGS
00000001        0000    74 SUCCESS           = 1                        ; SUCCESS SEVERITY VALUE FOR MSGS
00000002        0000    75 ERROR             = 2                        ; ERROR SEVERITY VALUE FOR MSGS
00000003        0000    76 INFO              = 3                        ; INFORMATIONAL SEV VALUE FOR MSGS
00000004        0000    77 SEVERE            = 4                        ; SEVERE (FATAL) SEV VALUE FOR MSGS
00000000        0000    78 TCG_NO            = 0                        ; INITIALIZE TEST CASE GROUP NUMBER
00000000        0000    79 GRP_TOTAL         = 0                        ; INITIALIZE TEST CASE GROUP TOTAL
00007FFF        0000    80 R0_THRU_SP        = ^M<R0,R1,R2,R3,R4,R5,R6,R7,R8,R9,R10,R11,AP,FP,SP>
00000040        0000    81 DETFLAG           = 64                       ; EVENT FLAG NO. FOR DETACHED PROC
00000001        0000    82 PIDADR_SUS10      = 1                        ; PIDADR ARG FOR SUSPND (LOCATION 1)
00000001        0000    83 PIDADR_RES10      = 1                        ; PIDADR ARG FOR RESUME (LOCATION 1)
00000001        0000    84 PIDADR_SWK10      = 1                        ; PIDADR ARG FOR SCHDWK (LOCATION 1)
00000000        0000    85 DAYTIM_SWK30      = 0                        ; DAYTIM ARG FOR SCHDWK (LOCATION 0)
00000001        0000    86 REPTIM_SWK40      = 1                        ; REPTIM ARG FOR SCHDWK (LOCATION 1)
                0000    87 ;
                0000    88 ; OWN STORAGE:
                0000    89 ;
```

```
                    00000000      91                .PSECT  RODATA,RD,NOWRT,NOEXE,LONG
               BFFC 0000          92 REG_COMP_MASK:  .WORD   ^M<R2,R3,R4,R5,R6,R7,R8,R9,R10,R11,AP,FP> ! ^X8000 -
                    0002          93                                       ; REG COMPARE MASK (HIGH-ORDER ...
                    0002          94                                       ; ... BIT MUST BE ON
                    0002          95 ERR_MSG_FAOCTL: STRING  I,<!/!AC!1ZB!1ZB: REGISTER !2UW CONTENTS ALTERED>, -
                    0002          96                         <; BEFORE SERVICE CALL: !8XL    AFTER SERVICE CALL: !8XL>
                    006E          97 TEST_MOD_NAME:  STRING  C,<SATSSF05>     ; TEST MODULE NAME
                    0077          98 TEST_MOD_BEG:   STRING  C,<begun>        ; DISPOSITION FIELD OF TEST MOD MSG
                    007D          99 TEST_MOD_SUCC:  STRING  C,<successful>   ; DISPOSITION FIELD OF TEST MOD MSG
                    0088         100 TEST_MOD_FAIL:  STRING  C,<failed>       ; DISPOSITION FIELD OF TEST MOD MSG
                    008F         101 TEST_MOD_NAME_D: STRING I,<SATSSF05>     ; TEST MODULE NAME DESCRIPTOR
                    009F         102 TTNAME:         STRING  I,<TT>           ; TERMINAL LOGICAL NAME
 00000000'00000000' 00A9         103 INADR:          .LONG   NOACCESS,NOACCESS ; PAGE ADDRESS OF NOACCESS PSECT
          00000000' 00B1         104 PROT:           .LONG   PRTSC_NA         ; PROTECTION CODE FOR NOACCESS PSECT
 FFFFFFFF FFFFFFFF  00B5         105 ONES:           .LONG   -1,-1            ; A QUADWORD OF 1-BITS
                    00BD         106 DETIMAGE:       STRING  I,<SYSTSTS$RES:SATSUT01.EXE>
                    00DC         107                                       ; IMAGE NAME FOR DETACHED PROCESS
                    00DC         108 DETNAME:        STRING  I,<SATSSF05_DET> ; PROC & MBX NAME FOR DET PROCESS
                    00F0         109 ;PRCNAM_SUS29   = DETNAME                ; PRCNAM ARGUMENT FOR SUSPND
                    00F0         110 ;PRCNAM_RES29   = DETNAME                ; PRCNAM ARGUMENT FOR RESUME
                    00F0         111 ;PRCNAM_SWK29   = DETNAME                ; PRCNAM ARGUMENT FOR SCHDWK
                    00F0         112 PRCNAM_SUS:     STRING  I,<SATSSF05>     ; PRCNAM ARGUMENT FOR SUSPND
          00000001  0100         113 PRCNAM_SUS24:   .LONG   1                ; PRCNAM ARGUMENT FOR SUSPND
          00000000' 0104         114                 .ADDRESS NOACCESS        ; ......
                    0108         115 PRCNAM_SUS26:   STRING  I,<SFSUS26>      ; PRCNAM ARGUMENT FOR SUSPND
          00000000  0117         116 PRCNAM_SUS27:   .LONG   0                ; PRCNAM ARGUMENT FOR SUSPND
                    011B         117 PRCNAM_SUS28:   STRING  I,<SIXTEEN CHARS$$$>
                    0133         118                                       ; PRCNAM ARGUMENT FOR SUSPND
                    0133         119 PRCNAM_RES:     STRING  I,<SATSSF05>     ; PRCNAM ARGUMENT FOR RESUME
          00000001  0143         120 PRCNAM_RES24:   .LONG   1                ; PRCNAM ARGUMENT FOR RESUME
          00000000' 0147         121                 .ADDRESS NOACCESS        ; ......
                    014B         122 PRCNAM_RES26:   STRING  I,<SFRES26>      ; PRCNAM ARGUMENT FOR RESUME
          00000000  015A         123 PRCNAM_RES27:   .LONG   0                ; PRCNAM ARGUMENT FOR RESUME
                    015E         124 PRCNAM_RES28:   STRING  I,<SIXTEEN CHARS$$$>
                    0176         125                                       ; PRCNAM ARGUMENT FOR RESUME
                    0176         126 PRCNAM_SWK:     STRING  I,<SATSSF05>     ; PRCNAM ARGUMENT FOR SCHDWK
          00000001  0186         127 PRCNAM_SWK24:   .LONG   1                ; PRCNAM ARGUMENT FOR SCHDWK
          00000000' 018A         128                 .ADDRESS NOACCESS        ; ......
                    018E         129 PRCNAM_SWK26:   STRING  I,<SFSWK26>      ; PRCNAM ARGUMENT FOR SCHDWK
          00000000  019D         130 PRCNAM_SWK27:   .LONG   0                ; PRCNAM ARGUMENT FOR SCHDWK
                    01A1         131 PRCNAM_SWK28:   STRING  I,<SIXTEEN CHARS$$$>
                    01B9         132                                       ; PRCNAM ARGUMENT FOR SCHDWK
 00000000 00000000  01B9         133 DAYTIM_SWK:     .LONG   0,0              ; DAYTIM ARGUMENT FOR SCHDWK
 00000000 00000000  01C1         134 REPTIM_SWK:     .LONG   0,0              ; REPTIM ARGUMENT FOR SCHDWK
 00000000 00000001  01C9         135 REPTIM_SWK43:   .LONG   1,0              ; REPTIM ARGUMENT FOR SCHDWK
 0FFFFFFF FFFFFFFF  01D1         136 REPTIM_SWK44:   .LONG   ^XFFFFFFFF,^X0FFFFFFF
                    01D9         137                                       ; REPTIM ARGUMENT FOR SCHDWK
```

SATSSF05
V04-000
          C 1
   - SATS SYSTEM SERVICE TESTS (FAILING S. 16-SEP-1984 00:33:45 VAX/VMS Macro V04-00 Page 4
   DECLARATIONS   5-SEP-1984 04:27:50 [UETPSY.SRC]SATSSF05.MAR;1 (1)

```
00000000        139          .PSECT  RWDATA,RD,WRT,NOEXE
00000004  0000  140 TPID:          .BLKL   1          ; PROCESS ID FOR THIS PROCESS
00000008  0004  141 CURRENT_TC:    .BLKL   1          ; PTR TO CURRENT TEST CASE
00000044  0008  142 REG_SAVE_AREA: .BLKL   15         ; SAVE AREA FOR ALL REGS (SANS PC)
007480D9  0044  143 MOD_MSG_CODE:  .LONG   UETP$_SATSMS ; TEST MODULE MSG CODE FOR PUTMSG
0000004C  0048  144 CLOB_REG_NO:   .BLKL   1          ; CLOBBERED REG NO (FOR FAO ERR MSG)
00000050  004C  145 REG_BEFORE_SS: .BLKL   1          ; REG CONTENTS BEFORE S.S.
          0050  146                                   ; ... (FOR FAO ERROR MSG)
00000054  0050  147 REG_AFTER_SS:  .BLKL   1          ; REG CONTENTS AFTER S.S.
          0054  148                                   ; ... (FOR FAO ERROR MSG)
          0054  149 $$TSTN$$:      STRING  C,< SF >   ; ASCII PORTION OF TEST CASE NAME
0000006E' 005C  150 TMN_ADDR:      .ADDRESS TEST_MOD_NAME ; ADDR OF TEST MOD NAME FOR FAO
00000077' 0060  151 TMD_ADDR:      .ADDRESS TEST_MOD_BEG ; ADDR OF T.M. DISP FIELD FOR FAO
00000068  0064  152 TS_EP:         .BLKL   1          ; ENTRY PNT FOR CURR TESTSERV MACRO
00000070  0068  153 RETADR:        .BLKL   2          ; RETURN LONGWORDS FOR SETPRT
00000071  0070  154 PRVPRT:        .BLKB   1          ; PROT RETURN BYTE FOR SETPRT
00000079  0071  155 PRIVMASK:      .BLKQ   1          ; ADDR OF PRIVILEGE MASK (IN PHD)
0000007D  0079  156 CHM_CONT:      .BLKL   1          ; CHANGE MODE CONTINUE ADDRESS
00000091  007D  157 REGS:          .BLKL   5          ; AREA FOR COND INDEX REGS (R2-R6)
00000095  0091  158 DETUIC:        .BLKL   1          ; UIC FOR DETACHED PROCESS
00000099  0095  159 MBXCHAN:       .BLKL   1          ; CHAN NO. FOR MBOX FOR CREATED PROC
          0099  160 MBXCHANINFO:   $STRING 0,75       ; CHANNEL INFO RETURNED BY GETCHN
000000F0  00EC  161 MBXUNIT:       .BLKL   1          ; SAVE AREA FOR MAILBOX UNIT NUMBER
          00F0  162 MBXBUFF:       STRING  0,120      ; MAILBOX BUFFER FOR CREATED PROCESS
00000174  0170  163 PIDADR_SUS:    .BLKL   1          ; PIDADR ARGUMENT FOR SUSPND
00000178  0174  164 PIDADR_SUS13:  .BLKL   1          ; PIDADR ARGUMENT FOR SUSPND
0000017C  0178  165 PIDADR_SUS14:  .BLKL   1          ; PIDADR ARGUMENT FOR SUSPND
00000180  017C  166 PIDADR_RES:    .BLKL   1          ; PIDADR ARGUMENT FOR RESUME
00000184  0180  167 PIDADR_RES13:  .BLKL   1          ; PIDADR ARGUMENT FOR RESUME
00000188  0184  168 PIDADR_RES14:  .BLKL   1          ; PIDADR ARGUMENT FOR RESUME
0000018C  0188  169 PIDADR_SWK:    .BLKL   1          ; PIDADR ARGUMENT FOR SCHDWK
00000190  018C  170 PIDADR_SWK13:  .BLKL   1          ; PIDADR ARGUMENT FOR SCHDWK
00000194  0190  171 PIDADR_SWK14:  .BLKL   1          ; PIDADR ARGUMENT FOR SCHDWK
```

```
    00000000      173                     .PSECT  SATS_ACCVIO_1,RD,WRT,NOEXE,PAGE
    00000200 0000 174 EMPTY:              .BLKB   512      ; RESERVE A PAGE OF SPACE
             0200 175 ;
             0200 176 ;+
             0200 177 ; ****************************************************************
             0200 178 ; *                                                              *
             0200 179 ; *      THE ORDER OF STATEMENTS IN THIS PSECT IS CRITICAL.       *
             0200 180 ; *      DO NOT RE-ARRANGE THE VARIABLES. CONSULT SATS            *
             0200 181 ; *      FUNCTIONAL SPECIFICATION FOR A DESCRIPTION OF THE USE     *
             0200 182 ; *      OF THE EMPTY PSECT (AND ITS COMPANION PSECT, NOACCESS).   *
             0200 183 ; *                                                              *
             0200 184 ; ****************************************************************
             0200 185 ; -
             0200 186 ;
             0200 187 ; TYPE AAAAA_SSSX1 (TYPE AAAAA_SSSX2 IF NOT DESC) GO HERE:
    000001FF 0200 188 PIDADR_SUS12        = . - 1          ; PIDADR ARGUMENT FOR SUSPND (LAST BYTE IN PAGE)
    000001FF 0200 189 PRCNAM_SUS21        = . - 1          ; PRCNAM ARGUMENT FOR SUSPND (LAST BYTE IN PAGE)
    000001FF 0200 190 PIDADR_RES12        = . - 1          ; PIDADR ARGUMENT FOR RESUME (LAST BYTE IN PAGE)
    000001FF 0200 191 PRCNAM_RES21        = . - 1          ; PRCNAM ARGUMENT FOR RESUME (LAST BYTE IN PAGE)
    000001FF 0200 192 PIDADR_SWK12        = . - 1          ; PIDADR ARGUMENT FOR SCHDWK (LAST BYTE IN PAGE)
    000001FF 0200 193 PRCNAM_SWK21        = . - 1          ; PRCNAM ARGUMENT FOR SCHDWK (LAST BYTE IN PAGE)
    000001FF 0200 194 DAYTIM_SWK32        = . - 1          ; DAYTIM ARGUMENT FOR SCHDWK (LAST BYTE IN PAGE)
    000001FF 0200 195 REPTIM_SWK42        = . - 1          ; REPTIM ARGUMENT FOR SCHDWK (LAST BYTE IN PAGE)
    000001F3 0200 196                     . = . - 13       ; ALLOW ROOM FOR STRING DESCRIPTOR
             01F3 197 ; TYPE AAAAA_SSSX5 GO HERE:
             01F3 198 PRCNAM_SUS25:                        ; PRCNAM ARGUMENT FOR SUSPND
             01F3 199 PRCNAM_RES25:                        ; PRCNAM ARGUMENT FOR RESUME
             01F3 200 PRCNAM_SWK25:                        ; PRCNAM ARGUMENT FOR SCHDWK
    00000006 01F3 201                     .LONG   6        ; STRING LENGTH (WILL CROSS PSECT BOUNDARY)
    000001FB'01F7 202                     .ADDRESS .+4     ; STRING ADDRESS
             01FB 203 ; TYPE AAAAA_SSSX3 GO HERE:
             01FB 204 PRCNAM_SUS23:                        ; PRCNAM ARGUMENT FOR SUSPND
             01FB 205 PRCNAM_RES23:                        ; PRCNAM ARGUMENT FOR RESUME
             01FB 206 PRCNAM_SWK23:                        ; PRCNAM ARGUMENT FOR SCHDWK
    000001FC 01FB 207                     .BLKB   1        ; LOW-ORDER BYTE OF STRING LENGTH
             01FC 208 ; TYPE AAAAA_SSSX2 GO HERE:
             01FC 209 PRCNAM_SUS22:                        ; PRCNAM ARGUMENT FOR SUSPND
             01FC 210 PRCNAM_RES22:                        ; PRCNAM ARGUMENT FOR RESUME
             01FC 211 PRCNAM_SWK22:                        ; PRCNAM ARGUMENT FOR SCHDWK
    00000200 01FC 212                     .BLKL   1        ; STRING LENGTH
             0200 213 ;
             0200 214 ;
             0200 215 ;
             0200 216 ;
    00000000      217                     .PSECT  SATS_ACCVIO_2,RD,WRT,NOEXE,PAGE
    00000200 0000 218 NOACCESS:           .BLKB   512      ; RESERVE A PAGE OF SPACE
    00000200'0200 219                     . = . - 512      ; RETURN LOC CTR TO BEGINNING OF PSECT
    00000000'0000 220                     .ADDRESS EMPTY   ; ADDRESS OF ACCESSIBLE STRING
    00000000'0004 221                     .ADDRESS EMPTY/^X100 ; ADDRESS OF ACCESSIBLE STRING
             0008 222 ;+
             0008 223 ; *** NOTE -- DO NOT CHANGE LOCATION OR SEQUENCE OF ABOVE STATEMENTS!
             0008 224 ; ***        THIS PSECT (NOACCESS) MUST APPEAR IN MEMORY IMMEDIATELY
             0008 225 ; ***        FOLLOWING THE EMPTY PSECT. PSECT NAMES AND OPTIONS WILL BE
             0008 226 ; ***        CHOSEN TO FORCE THE DESIRED PSECT ORDERING.
             0008 227 ; -
             0008 228 ;
             0008 229 ;
```

```
                    0008    230 ;
                    0008    231 ;
          00000000  0008    232 PIDADR_SUS11:   .LONG   0         ; PIDADR ARGUMENT FOR SUSPND
                    000C    233 PRCNAM_SUS20:   STRING  I,<SFSUS20> ; PRCNAM ARGUMENT FOR SUSPND
          00000000  001B    234 PIDADR_RES11:   .LONG   0         ; PIDADR ARGUMENT FOR RESUME
                    001F    235 PRCNAM_RES20:   STRING  I,<SFRES20> ; PRCNAM ARGUMENT FOR RESUME
          00000000  002E    236 PIDADR_SWK11:   .LONG   0         ; PIDADR ARGUMENT FOR SCHDWK
                    0032    237 PRCNAM_SWK20:   STRING  I,<SFSWK20> ; PRCNAM ARGUMENT FOR SCHDWK
 00000000 00000000  0041    238 DAYTIM_SWK31:   .LONG   0,0       ; DAYTIM ARGUMENT FOR SCHDWK
 00000000 00000000  0049    239 REPTIM_SWK41:   .LONG   0,0       ; REPTIM ARGUMENT FOR SCHDWK
          00000000  240            .PSECT  SATSSF05,RD,WRT,EXE,LONG
```

```
0000   242          .SBTTL  SATSSF05
0000   243 ;++
0000   244 ; FUNCTIONAL DESCRIPTION:
0000   245 ;
0000   246 ;           AFTER PERFORMING SOME INITIAL HOUSEKEEPING, SUCH AS
0000   247 ; PRINTING THE MODULE BEGIN MESSAGE AND ACQUIRING ALL PRIVILEGES,
0000   248 ; THE SATSSF05 ROUTINE EXECUTES THE TEST_SERV_EXEC MACRO TO RUN
0000   249 ; ALL TEST CASES. WHEN THE MACRO COMPLETES ITS EXECUTION, SATSSF05
0000   250 ; PRINTS A TEST MODULE SUCCESS OR FAIL MESSAGE AND EXITS TO THE
0000   251 ; OPERATING SYSTEM. TEST_SERV_EXEC CALLS THE TC_CONTROL/TESTSERV
0000   252 ; CO-ROUTINE PAIR ONCE PER TEST CASE GROUP TO EXECUTE ALL TEST
0000   253 ; CASES IN THAT GROUP. EACH TEST CASE GROUP IS DEFINED BY BOUNDING
0000   254 ; ITS TEST CASES WITH A TC_GROUP MACRO BEFORE THE FIRST TEST CASE
0000   255 ; AND A TCEND MACRO AFTER THE LAST ONE. THE TEST CASES THEMSELVES
0000   256 ; ARE DEFINED WITHIN THESE BOUNDS BY PRECEDING EACH WITH A
0000   257 ; NEXT_TEST_CASE MACRO. TC_CONTROL/TESTSERV EXECUTES THE CODE
0000   258 ; FOLLOWING EACH NEXT_TEST_CASE MACRO IMMEDIATELY BEFORE ISSUING
0000   259 ; THE SYSTEM SERVICE AS REQUESTED IN THE TESTSERV MACRO. TC_CONTROL/
0000   260 ; TESTSERV ALSO CHECKS THE RESULTS OF THE SERVICE WITH RESPECT
0000   261 ; TO ITS EXPECTED STATUS CODE AND PRINTS ANY REQUIRED FAILURE
0000   262 ; MESSAGES FOR THE TEST CASE. THE CODE APPEARING AFTER EACH
0000   263 ; NEXT_TEST_CASE MACRO IS MERELY TO SET UP CONDITIONS REQUIRED
0000   264 ; FOR THE SYSTEM SERVICE AND TO CLEAN UP ANY RESOURCES ACQUIRED
0000   265 ; BY THE PREVIOUS TEST CASE.
0000   266 ;
0000   267 ; CALLING SEQUENCE:
0000   268 ;
0000   269 ;     $ RUN SATSSF05  ...  (DCL COMMAND)
0000   270 ;
0000   271 ; INPUT PARAMETERS:
0000   272 ;
0000   273 ;     NONE
0000   274 ;
0000   275 ; IMPLICIT INPUTS:
0000   276 ;
0000   277 ;     NONE
0000   278 ;
0000   279 ; OUTPUT PARAMETERS:
0000   280 ;
0000   281 ;     NONE
0000   282 ;
0000   283 ; IMPLICIT OUTPUTS:
0000   284 ;
0000   285 ;     MESSAGES TO SYS$OUTPUT ARE THE ONLY OUTPUT FROM SATSSF05.
0000   286 ;     THEY ARE OF THE FORM:
0000   287 ;
0000   288 ;           %UETP-S-SATSMS, TEST MODULE SATSSF05 BEGUN ... (BEGIN MSG)
0000   289 ;           %UETP-S-SATSMS, TEST MODULE SATSSF05 SUCCESSFUL ... (END MSG)
0000   290 ;           %UETP-E-SATSMS, TEST MODULE SATSSF05 FAILED ... (END MSG)
0000   291 ;           %UETP-I-TEXT, ... (VARIABLE INFORMATION ABOUT A TEST MODULE FAILURE)
0000   292 ;
0000   293 ; COMPLETION CODES:
0000   294 ;
0000   295 ;     THE SATSSF05 ROUTINE TERMINATES WITH A $EXIT TO THE
0000   296 ;     OPERATING SYSTEM WITH A STATUS CODE DEFINED BY UETP$_SATSMS.
0000   297 ;
0000   298 ; SIDE EFFECTS:
```

```
                              0000   299 ;
                              0000   300 ;      NONE
                              0000   301 ;
                              0000   302 ;--
                              0000   303
                              0000   304
                              0000   305
                              0000   306 SATSSF05:
                  OFFC        0000   307        .WORD    ^M<R2,R3,R4,R5,R6,R7,R8,R9,R10,R11>
                              0002   308                                           ; ENTRY MASK
                              0002   309        $WAKE_S  TPID                       ; GET PID OF THIS PROCESS
                              0011   310        $HIBER_S                            ; UNDO WAKE
                              0018   311        $SETPRN_S TEST_MOD_NAME_D           ; SET PROCESS NAME
                  1579    30  0025   312        BSBW     MOD_MSG_PRINT              ; PRINT TEST MODULE BEGIN MSG
  00000060'EF   0000007D'EF  DE  0028   313     MOVAL    TEST_MOD_SUCC,TMD_ADDR     ; ASSUME END MSG WILL SHOW SUCCESS
  00000044'EF   03  00  01  F0  0033   314     INSV     #SUCCESS,#0,#3,MOD_MSG_CODE ; ADJUST STATUS CODE FOR SUCCESS
                              003C   315        MODE     TO,10$,KRNL,NOREGS         ; KERNEL MODE TO ACCESS PHD
         59   00000000'9F  DO  0059   316        MOVL     @#CTL$GL_PHD,R9            ; GET PROCESS HEADER ADDRESS
         00000071'EF   69  DE  0060   317        MOVAL    PHD$Q_PRIVMSK(R9),PRIVMASK ; GET PRIV MASK ADDRESS
                              0067   318        MODE     FROM,10$                   ; GET BACK TO USER MODE
                              0068   319        PRIV     ADD,ALL                    ; GET ALL PRIVILEGES
                              0088   320        $CREMBX_S CHAN=MBXCHAN, LOGNAM=DETNAME, -
                              0088   321                 MAXMSG=#120, PROMSK=#0, BUFQUO=#240
                              00AD   322                                           ; GET MAILBOX FOR PROCESS
                              00AD   323        $GETCHN_S CHAN=MBXCHAN, PRIBUF=MBXCHANINFO
                              00C7   324                                           ; GET CHAN INFO (UNIT NUMBER)
  000000EC'EF   000000AD'EF  3C  00C7  325     MOVZWL   MBXCHANINFO+8+DIB$W_UNIT,MBXUNIT
                              00D2   326                                           ; SAVE MAILBOX UNIT NUMBER
                              00D2   327        MODE     TO,20$,KRNL,NOREGS         ; KERNEL MODE TO ACCESS PCB
         59   00000000'9F  DO  00EF  328        MOVL     @#SCH$GL_CURPCB,R9         ; GET CURRENT PCB ADDRESS
  00000091'EF   00BC  C9  DO  00F6  329        MOVL     PCB$L_UIC(R9),DETUIC       ; PICK UP UIC FROM PCB
                              00FF   330        MODE     FROM,20$                   ; ... AND GET BACK TO USER MODE
                              0100   331        $CREPRC_S IMAGE=DETIMAGE, PRCNAM=DETNAME, -
                              0100   332                 UIC=DETUIC, MBXUNT=MBXUNIT
                              0132   333                                           ; CREATE DETACHED PROC WITH SAME UIC
                              0132   334        DISPSERV                           ; SET UP DISPLAY INFO FOR TESTSERV
                              02C7   335        $SETPRT_S INADR=INADR, RETADR=RETADR, -
                              02C7   336                 PROT=PROT, PRVPRT=PRVPRT
                              02E8   337                                           ; SET NOACCESS PSECT ...
                              02E8   338                                           ; ... FOR NO USER ACCESS
                  10D9    31  02E8   339        BRW      EXECUTE                    ; GO EXECUTE ALL TEST CASES
                              02EB   340        TC_GROUP    SUS,1,TS1
                              0312   341 ;
                              0312   342        NEXT_TEST_CASE  SFSUS10
```

```
0312   343 ;
0312   344 ;++
0312   345 ;
0312   346 ;*****************************************************************
0312   347 ;*
0312   348 ;*  TEST CASE NAME:         SFSUS10
0312   349 ;*
0312   350 ;*  SYSTEM SERVICE:         SUSPND
0312   351 ;*
0312   352 ;*  ARGUMENT UNDER TEST:    PIDADR_SUS10
0312   353 ;*
0312   354 ;*  INPUT CONDITIONS:
0312   355 ;*     PIDADR FIELD AT LOCATION 1
0312   356 ;*
0312   357 ;*  EXPECTED RESULTS:
0312   358 ;*     1) SYSTEM STATUS CODE:  ACCVIO
0312   359 ;*     2) REGISTERS R2 THROUGH FP UNCHANGED
0312   360 ;*
0312   361 ;*****************************************************************
0312   362 ;--
0312   363 ;
0312   364 ;

               NEXT_TEST_CASE  SFSUS11
```

SATSSF05
V04-000

I 1
- SATS SYSTEM SERVICE TESTS (FAILING S. 16-SEP-1984 00:33:45 VAX/VMS Macro V04-00   Page 10
SFSUS11   5-SEP-1984 04:27:50 [UETPSY.SRC]SATSSF05.MAR;1   (1)

```
031E   365  ;
031E   366  ;++
031E   367  ;*********************************************************************
031E   368  ;*
031E   369  ;*   TEST CASE NAME:          SFSUS11
031E   370  ;*
031E   371  ;*   SYSTEM SERVICE:          SUSPND
031E   372  ;*
031E   373  ;*   ARGUMENT UNDER TEST:     PIDADR_SUS11
031E   374  ;*
031E   375  ;*   INPUT CONDITIONS:
031E   376  ;*      PIDADR FIELD IN NON-ACCESSIBLE PSECT
031E   377  ;*
031E   378  ;*   EXPECTED RESULTS:
031E   379  ;*      1) SYSTEM STATUS CODE:  ACCVIO
031E   380  ;*      2) REGISTERS R2 THROUGH FP UNCHANGED
031E   381  ;*
031E   382  ;*********************************************************************
031E   383  ;--
031E   384
031E   385
031E   386          NEXT_TEST_CASE  SFSUS12
```

```
032A  387  ;+
032A  388  ;++
032A  389  ;*****************************************************
032A  390  ;*
032A  391  ;*   TEST CASE NAME:          SFSUS12
032A  392  ;*
032A  393  ;*   SYSTEM SERVICE:          SUSPND
032A  394  ;*
032A  395  ;*   ARGUMENT UNDER TEST:     PIDADR_SUS12
032A  396  ;*
032A  397  ;*   INPUT CONDITIONS:
032A  398  ;*      PIDADR FIELD BEGINS IN ACCESSIBLE PSECT, ENDS
032A  399  ;*         IN NON-ACCESSIBLE PSECT.
032A  400  ;*
032A  401  ;*   EXPECTED RESULTS:
032A  402  ;*      1) SYSTEM STATUS CODE:  ACCVIO
032A  403  ;*      2) REGISTERS R2 THROUGH FP UNCHANGED
032A  404  ;*
032A  405  ;*****************************************************
032A  406  ;--
032A  407  ;
032A  408  ;
032A  409             NEXT_TEST_CASE  SFSUS13
```

K 1

SATSSF05   - SATS SYSTEM SERVICE TESTS (FAILING S. 16-SEP-1984 00:33:45 VAX/VMS Macro V04-00   Page 12
V04-000   SFSUS13   5-SEP-1984 04:27:50 [UETPSY.SRC]SATSSF05.MAR;1   (1)

```
                              0336    410  ;++
                              0336    411  ;*******************************************************
                              0336    412  ;*
                              0336    413  ;*
                              0336    414  ;*    TEST CASE NAME:          SFSUS13
                              0336    415  ;*
                              0336    416  ;*    SYSTEM SERVICE:          SUSPND
                              0336    417  ;*
                              0336    418  ;*    ARGUMENT UNDER TEST:     PIDADR_SUS13
                              0336    419  ;*
                              0336    420  ;*    INPUT CONDITIONS:
                              0336    421  ;*       INVALID PROCESS ID
                              0336    422  ;*
                              0336    423  ;*    EXPECTED RESULTS:
                              0336    424  ;*       1) SYSTEM STATUS CODE: NONEXPR
                              0336    425  ;*       2) REGISTERS R2 THROUGH FP UNCHANGED
                              0336    426  ;*
                              0336    427  ;*******************************************************
                              0336    428  ;--
                              0336    429  ;
 00000174'EF   00000000'EF   DO 0336    430        MOVL    TPID,PIDADR_SUS13 ; GET A VALID PID
 00000174'EF      FF 8F      99 0341    431        CVTBW   #-1,PIDADR_SUS13  ; MAKE IT INVALID
                              0349    432  ;
                              0349    433        NEXT_TEST_CASE  SFSUS14
```

```
                              0355   434  :++
                              0355   435  ;*
                              0355   436  ;*   ***********************************************************
                              0355   437  ;*
                              0355   438  ;*   TEST CASE NAME:          SFSUS14
                              0355   439  ;*
                              0355   440  ;*   SYSTEM SERVICE:          SUSPND
                              0355   441  ;*
                              0355   442  ;*   ARGUMENT UNDER TEST:     PIDADR_SUS14
                              0355   443  ;*
                              0355   444  ;*   INPUT CONDITIONS:
                              0355   445  ;*      VALID, NON-EXISTENT PROCESS ID
                              0355   446  ;*
                              0355   447  ;*   EXPECTED RESULTS:
                              0355   448  ;*      1) SYSTEM STATUS CODE:  NONEXPR
                              0355   449  ;*      2) REGISTERS R2 THROUGH FP UNCHANGED
                              0355   450  ;*
                              0355   451  ;*   ***********************************************************
                              0355   452  ;--
                              0355   453  ;
00000178'EF   00000000'EF  D0  0355   454           MOVL    TPID,PIDADR_SUS14 ; GET AN EXISTENT PID
0000017A'EF     1770 8F    B0  0360   455           MOVW    #6000,PIDADR_SUS14+2 ; MAKE IT NON-EXISTENT
                              0369   456  ;
                              0369   457           NEXT_TEST_CASE  SFSUS20
```

```
                    0375   458   ;
                    0375   459   ;++
                    0375   460   ;************************************************************
                    0375   461   ;*
                    0375   462   ;*   TEST CASE NAME:          SFSUS20
                    0375   463   ;*
                    0375   464   ;*   SYSTEM SERVICE:          SUSPND
                    0375   465   ;*
                    0375   466   ;*   ARGUMENT UNDER TEST:     PRCNAM_SUS20
                    0375   467   ;*
                    0375   468   ;*   INPUT CONDITIONS:
                    0375   469   ;*     PRCNAM STRING DESCRIPTOR LENGTH FIELD IN
                    0375   470   ;*       NON-ACCESSIBLE PSECT.
                    0375   471   ;*
                    0375   472   ;*   EXPECTED RESULTS:
                    0375   473   ;*     1) SYSTEM STATUS CODE:  ACCVIO
                    0375   474   ;*     2) REGISTERS R2 THROUGH FP UNCHANGED
                    0375   475   ;*
                    0375   476   ;************************************************************
                    0375   477   ;--
                    0375   478   ;
00000170'EF   D4    0375   479           CLRL    PIDADR_SUS       ; MAKE SURE PRCNAM IS USED BY SUSPND
                    037B   480   ;
                    037B   481           NEXT_TEST_CASE  SFSUS21
```

N 1

SATSSF05   - SATS SYSTEM SERVICE TESTS (FAILING S. 16-SEP-1984 00:33:45 VAX/VMS Macro V04-00   Page 15
V04-000   SFSUS21   5-SEP-1984 04:27:50 [UETPSY.SRC]SATSSF05.MAR;1   (1)

```
                    0387   482 ;
                    0387   483 ;++
                    0387   484 ;************************************************************
                    0387   485 ; *
                    0387   486 ; *  TEST CASE NAME:          SFSUS21
                    0387   487 ; *
                    0387   488 ; *  SYSTEM SERVICE:          SUSPND
                    0387   489 ; *
                    0387   490 ; *  ARGUMENT UNDER TEST:     PRCNAM_SUS21
                    0387   491 ; *
                    0387   492 ; *  INPUT CONDITIONS:
                    0387   493 ; *     PRCNAM STRING DESCRIPTOR LENGTH FIELD BEGINS IN
                    0387   494 ; *        ACCESSIBLE PSECT, ENDS IN NON-ACCESSIBLE PSECT.
                    0387   495 ; *
                    0387   496 ; *  EXPECTED RESULTS:
                    0387   497 ; *     1) SYSTEM STATUS CODE: ACCVIO
                    0387   498 ; *     2) REGISTERS R2 THROUGH FP UNCHANGED
                    0387   499 ; *
                    0387   500 ;************************************************************
                    0387   501 ;--
                    0387   502 ;
00000170'EF   D4    0387   503            CLRL.   PIDADR_SUS      ; MAKE SURE PRCNAM IS USED BY SUSPND
                    038D   504 ;
                    038D   505            NEXT_TEST_CASE  SFSUS22
```

SATSSF05
V04-000

B 2
- SATS SYSTEM SERVICE TESTS (FAILING S. 16-SEP-1984 00:33:45 VAX/VMS Macro V04-00   Page 16
SFSUS22   5-SEP-1984 04:27:50 [UETPSY.SRC]SATSSF05.MAR;1   (1)

```
                     0399    506 :
                     0399    507 :++
                     0399    508 :
                     0399    509 : *   ************************************************************
                     0399    510 : *
                     0399    511 : *   TEST CASE NAME:          SFSUS22
                     0399    512 : *
                     0399    513 : *   SYSTEM SERVICE:          SUSPND
                     0399    514 : *
                     0399    515 : *   ARGUMENT UNDER TEST:     PRCNAM_SUS22
                     0399    516 : *
                     0399    517 : *   INPUT CONDITIONS:
                     0399    518 : *      PRCNAM STRING DESCRIPTOR ADDRESS FIELD IN
                     0399    519 : *        NON-ACCESSIBLE PSECT.
                     0399    520 : *
                     0399    521 : *   EXPECTED RESULTS:
                     0399    522 : *      1) SYSTEM STATUS CODE:  ACCVIO
                     0399    523 : *      2) REGISTERS R2 THROUGH FP UNCHANGED
                     0399    524 : *
                     0399    525 : *   ************************************************************
                     0399    526 :--
                     0399    527 :
00000170'EF    D4    0399    527          CLRL    PIDADR_SUS      ; MAKE SURE PRCNAM IS USED BY SUSPND
000001FC'EF 03 9A    039F    528          MOVZBL  #3,PRCNAM_SUS22 ; ESTABLISH PRCNAM STRING LENGTH
                     03A6    529 :
                     03A6    530          NEXT_TEST_CASE  SFSUS23
```

```
                          03B2   531   ;
                          03B2   532   ;++
                          03B2   533   ; ********************************************************
                          03B2   534   ; *
                          03B2   535   ; *   TEST CASE NAME:          SFSUS23
                          03B2   536   ; *
                          03B2   537   ; *   SYSTEM SERVICE:          SUSPND
                          03B2   538   ; *
                          03B2   539   ; *   ARGUMENT UNDER TEST:     PRCNAM_SUS23
                          03B2   540   ; *
                          03B2   541   ; *   INPUT CONDITIONS:
                          03B2   542   ; *      PRCNAM STRING DESCRIPTOR ADDRESS FIELD BEGINS IN
                          03B2   543   ; *        ACCESSIBLE PSECT, ENDS IN NON-ACCESSIBLE PSECT.
                          03B2   544   ; *
                          03B2   545   ; *   EXPECTED RESULTS:
                          03B2   546   ; *      1) SYSTEM STATUS CODE:  ACCVIO
                          03B2   547   ; *      2) REGISTERS R2 THROUGH FP UNCHANGED
                          03B2   548   ; *
                          03B2   549   ; ********************************************************
                          03B2   550   ;--
                          03B2   551   ;
    00000170'EF  D4       03B2   552          CLRL    PIDADR_SUS       ; MAKE SURE PRCNAM IS USED BY SUSPND
    000001FB'EF  03  9A   03B8   553          MOVZBL  #3,PRCNAM_SUS23  ; ESTABLISH PRCNAM STRING LENGTH
                          03BF   554   ;
                          03BF   555          NEXT_TEST_CASE  SFSUS24
```

```
                      03CB     556  ;++
                      03CB     557  ;**********************************************************
                      03CB     558  ;*
                      03CB     559  ;*
                      03CB     560  ;*   TEST CASE NAME:           SFSUS24
                      03CB     561  ;*
                      03CB     562  ;*   SYSTEM SERVICE:           SUSPND
                      03CB     563  ;*
                      03CB     564  ;*   ARGUMENT UNDER TEST:      PRCNAM_SUS24
                      03CB     565  ;*
                      03CB     566  ;*   INPUT CONDITIONS:
                      03CB     567  ;*      PRCNAM STRING IN NON-ACCESSIBLE PSECT
                      03CB     568  ;*
                      03CB     569  ;*   EXPECTED RESULTS:
                      03CB     570  ;*      1) SYSTEM STATUS CODE:  ACCVIO
                      03CB     571  ;*      2) REGISTERS R2 THROUGH FP UNCHANGED
                      03CB     572  ;*
                      03CB     573  ;**********************************************************
                      03CB     574  ;--
                      03CB     575  ;
  00000170'EF   D4    03CB     576          CLRL    PIDADR_SUS      ; MAKE SURE PRCNAM IS USED BY SUSPND
                      03D1     577  ;
                      03D1     578          TCEND
```

SATSSF05
V04-000

E 2
- SATS SYSTEM SERVICE TESTS (FAILING S. 16-SEP-1984 00:33:45 VAX/VMS Macro V04-00   Page 19
                                      5-SEP-1984 04:27:50 [UETPSY.SRC]SATSSF05.MAR;1   (1)

```
03D2  579 ;           TC_GROUP        SUS,2,TS2
03F9  580 ;
03F9  581 ;           NEXT_TEST_CASE  SFSUS25
```

SATSSF05
V04-000
           - SATS SYSTEM SERVICE TESTS (FAILING S. 16-SEP-1984 00:33:45 VAX/VMS Macro V04-00   Page 20
            SFSUS25   5-SEP-1984 04:27:50 [UETPSY.SRC]SATSSF05.MAR;1   (1)

```
                   03F9    582  ;
                   03F9    583  ;++
                   03F9    584  ; ***********************************************************
                   03F9    585  ; *
                   03F9    586  ; *   TEST CASE NAME:          SFSUS25
                   03F9    587  ; *
                   03F9    588  ; *   SYSTEM SERVICE:          SUSPND
                   03F9    589  ; *
                   03F9    590  ; *   ARGUMENT UNDER TEST:     PRCNAM_SUS25
                   03F9    591  ; *
                   03F9    592  ; *   INPUT CONDITIONS:
                   03F9    593  ; *      PRCNAM STRING BEGINS IN ACCESSIBLE PSECT,
                   03F9    594  ; *        ENDS IN NON-ACCESSIBLE PSECT.
                   03F9    595  ; *
                   03F9    596  ; *   EXPECTED RESULTS:
                   03F9    597  ; *      1) SYSTEM STATUS CODE:  ACCVIO
                   03F9    598  ; *      2) REGISTERS R2 THROUGH FP UNCHANGED
                   03F9    599  ; *
                   03F9    600  ; ***********************************************************
                   03F9    601  ;--
                   03F9    602  ;
  00000170'EF  D4  03F9    603          CLRL    PIDADR_SUS       ; MAKE SURE PRCNAM IS USED BY SUSPND
                   03FF    604  ;
                   03FF    605          NEXT_TEST_CASE  SFSUS26
```

```
                    040B   606  :
                    040B   607  :++
                    040B   608  : ******************************************************
                    040B   609  : *
                    040B   610  : *  TEST CASE NAME:          SFSUS26
                    040B   611  : *
                    040B   612  : *  SYSTEM SERVICE:          SUSPND
                    040B   613  : *
                    040B   614  : *  ARGUMENT UNDER TEST:     PRCNAM_SUS26
                    040B   615  : *
                    040B   616  : *  INPUT CONDITIONS:
                    040B   617  : *     NON-EXISTENT PROCESS NAME
                    040B   618  : *
                    040B   619  : *  EXPECTED RESULTS:
                    040B   620  : *     1) SYSTEM STATUS CODE:  NONEXPR
                    040B   621  : *     2) REGISTERS R2 THROUGH FP UNCHANGED
                    040B   622  : *
                    040B   623  : ******************************************************
                    040B   624  :--
                    040B   625  :
00000170'EF   D4    040B   626         CLRL    PIDADR_SUS      ; MAKE SURE PRCNAM IS USED BY SUSPND
                    0411   627  :
                    0411   628         NEXT_TEST_CASE SFSUS27
```

```
                      041D    629  ;++
                      041D    630  ;++
                      041D    631  ;******************************************************************
                      041D    632  ;  *
                      041D    633  ;  *  TEST CASE NAME:          SFSUS27
                      041D    634  ;  *
                      041D    635  ;  *  SYSTEM SERVICE:          SUSPND
                      041D    636  ;  *
                      041D    637  ;  *  ARGUMENT UNDER TEST:     PRCNAM_SUS27
                      041D    638  ;  *
                      041D    639  ;  *  INPUT CONDITIONS:
                      041D    640  ;  *     INVALID PROCESS NAME (LENGTH 0)
                      041D    641  ;  *
                      041D    642  ;  *  EXPECTED RESULTS:
                      041D    643  ;  *     1) SYSTEM STATUS CODE:  IVLOGNAM
                      041D    644  ;  *     2) REGISTERS R2 THROUGH FP UNCHANGED
                      041D    645  ;  *
                      041D    646  ;******************************************************************
                      041D    647  ;--
                      041D    648  ;
      00000170'EF  D4 041D    649         CLRL    PIDADR_SUS      ; MAKE SURE PRCNAM IS USED BY SUSPND
                      0423    650  ;
                      0423    651         NEXT_TEST_CASE  SFSUS28
```

```
042F   652 ;
042F   653 ;++
042F   654 ;******************************************************************
042F   655 ; *
```

```
                        042F   657 ; *  TEST CASE NAME:            SFSUS28
                        042F   658 ; *
                        042F   659 ; *  SYSTEM SERVICE:            SUSPND
                        042F   660 ; *
                        042F   661 ; *  ARGUMENT UNDER TEST:       PRCNAM_SUS28
                        042F   662 ; *
                        042F   663 ; *  INPUT CONDITIONS:
                        042F   664 ; *     INVALID PROCESS NAME (LENGTH 16)
                        042F   665 ; *
                        042F   666 ; *  EXPECTED RESULTS:
                        042F   667 ; *     1) SYSTEM STATUS CODE:  IVLOGNAM
                        042F   668 ; *     2) REGISTERS R2 THROUGH FP UNCHANGED
                        042F   669 ; *
                        042F   670 ; *****************************************************
                        042F   671 ;--
                        042F   672
  00000170'EF   D4      042F   673          CLRL    PIDADR_SUS        ; MAKE SURE PRCNAM IS USED BY SUSPND
                        0435   674
                        0435   675          NEXT_TEST_CASE  SFSUS29
                        0435   676
                        0435   677 ;++
                        0435   678 ; *****************************************************
                        0435   679 ; *
                        0435   680 ; *  TEST CASE NAME:            SFSUS29
                        0435   681 ; *
                        0435   682 ; *  SYSTEM SERVICE:            SUSPND
                        0435   683 ; *
                        0435   684 ; *  ARGUMENT UNDER TEST:       PRCNAM_SUS29
                        0435   685 ; *
                        0435   686 ; *  INPUT CONDITIONS:
                        0435   687 ; *     SUSPND ISSUED FOR EXISTING PROCESS WHICH IS NOT A
                        0435   688 ; *        SUBPROCESS OF THIS PROCESS, AND THIS PROCESS HAS
                        0435   689 ; *        NO GROUP OR WORLD PRIVILEGE.
                        0435   690 ; *
                        0435   691 ; *  EXPECTED RESULTS:
                        0435   692 ; *     1) SYSTEM STATUS CODE: NOPRIV
                        0435   693 ; *     2) REGISTERS R2 THROUGH FP UNCHANGED
                        0435   694 ; *
                        0435   695 ; *****************************************************
                        0435   696 ;--
                        0435   697
                        0435   698 ;         PRIV    REM,GROUP        ; REMOVE GROUP PRIVILEGE
                        0435   699 ;         PRIV    REM,WORLD        ; REMOVE WORLD PRIVILEGE
                        0435   700 ;         CLRL    PIDADR_SUS       ; MAKE SURE PRCNAM IS USED BY SUSPND
                        0435   701
                        0435   702 ;         TCEND
                        0435   703          TC_GROUP        RES,1,TS3
                        045C   704 ;
                        045C   705          NEXT_TEST_CASE  SFRES10
```

```
045C   706  :
045C   707  :++
045C   708  : ********************************************************
045C   709  : *
045C   710  : *   TEST CASE NAME:          SFRES10
045C   711  : *
045C   712  : *   SYSTEM SERVICE:          RESUME
045C   713  : *
045C   714  : *   ARGUMENT UNDER TEST:     PIDADR_RES10
045C   715  : *
045C   716  : *   INPUT CONDITIONS:
045C   717  : *      PIDADR FIELD AT LOCATION 1
045C   718  : *
045C   719  : *   EXPECTED RESULTS:
045C   720  : *      1) SYSTEM STATUS CODE:  ACCVIO
045C   721  : *      2) REGISTERS R2 THROUGH FP UNCHANGED
045C   722  : *
045C   723  : ********************************************************
045C   724  :--
045C   725  :
045C   726          PRIV    ADD,ALL            ; GET BACK SOME PRIVS REMOVED IN PRIOR T.C.
047C   727  :
047C   728          NEXT_TEST_CASE  SFRES11
```

```
0488   729 ;
0488   730 ;++
0488   731 ; ************************************************************
0488   732 ; *
0488   733 ; *   TEST CASE NAME:          SFRES11
0488   734 ; *
0488   735 ; *   SYSTEM SERVICE:          RESUME
0488   736 ; *
0488   737 ; *   ARGUMENT UNDER TEST:     PIDADR_RES11
0488   738 ; *
0488   739 ; *   INPUT CONDITIONS:
0488   740 ; *      PIDADR FIELD IN NON-ACCESSIBLE PSECT
0488   741 ; *
0488   742 ; *   EXPECTED RESULTS:
0488   743 ; *      1) SYSTEM STATUS CODE:  ACCVIO
0488   744 ; *      2) REGISTERS R2 THROUGH FP UNCHANGED
0488   745 ; *
0488   746 ; ************************************************************
0488   747 ;--
0488   748 ;
0488   749 ;
0488   750        NEXT_TEST_CASE  SFRES12
```

```
0494   751  ;
0494   752  ;++
0494   753  ; ***********************************************************
0494   754  ; *
0494   755  ; *    TEST CASE NAME:           SFRES12
0494   756  ; *
0494   757  ; *    SYSTEM SERVICE:           RESUME
0494   758  ; *
0494   759  ; *    ARGUMENT UNDER TEST:      PIDADR_RES12
0494   760  ; *
0494   761  ; *    INPUT CONDITIONS:
0494   762  ; *       PIDADR FIELD BEGINS IN ACCESSIBLE PSECT, ENDS
0494   763  ; *          IN NON-ACCESSIBLE PSECT.
0494   764  ; *
0494   765  ; *    EXPECTED RESULTS:
0494   766  ; *       1) SYSTEM STATUS CODE:  ACCVIO
0494   767  ; *       2) REGISTERS R2 THROUGH FP UNCHANGED
0494   768  ; *
0494   769  ; ***********************************************************
0494   770  ;--
0494   771  ;
0494   772  ;
0494   773  ;
                      NEXT_TEST_CASE  SFRES13
```

N 2

SATSSF05   - SATS SYSTEM SERVICE TESTS (FAILING S. 16-SEP-1984 00:33:45 VAX/VMS Macro V04-00   Page 28
V04-000   SFRES13   5-SEP-1984 04:27:50 [U[TPSY.SRC]SATSSF05.MAR;1   (2)

```
                    04A0   774  ;
                    04A0   775  ;++
                    04A0   776  ;   ************************************************************
                    04A0   777  ;   *
                    04A0   778  ;   *  TEST CASE NAME:         SFRES13
                    04A0   779  ;   *
                    04A0   780  ;   *  SYSTEM SERVICE:         RESUME
                    04A0   781  ;   *
                    04A0   782  ;   *  ARGUMENT UNDER TEST:    PIDADR_RES13
                    04A0   783  ;   *
                    04A0   784  ;   *  INPUT CONDITIONS:
                    04A0   785  ;   *     INVALID PROCESS ID
                    04A0   786  ;   *
                    04A0   787  ;   *  EXPECTED RESULTS:
                    04A0   788  ;   *     1) SYSTEM STATUS CODE: NONEXPR
                    04A0   789  ;   *     2) REGISTERS R2 THROUGH FP UNCHANGED
                    04A0   790  ;   *
                    04A0   791  ;   ************************************************************
                    04A0   792  ;--
                    04A0   793  ;
00000180'EF  00000000'EF  D0 04A0   794        MOVL   TPID,PIDADR_RES13  ; GET A VALID PID
     00000180'EF  FF 8F  99 04AB   795        CVTBW  #-1,PIDADR_RES13   ; MAKE IT INVALID
                    04B3   796  ;
                    04B3   797        NEXT_TEST_CASE  SFRES14
```

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V04-000

P 3
- SATS SYSTEM SERVICE TESTS (FAILING S. 16-SEP-1984 00:33:45 VAX/VMS Macro V04-00   Page 29
SFRES14   5-SEP-1984 04:27:50 [UETPSY.SRC]SATSSF05.MAR;1   (2)

```
04BF   798  ;
04BF   799  ;++
04BF   800  ;  ************************************************************
04BF   801  ;  *
04BF   802  ;  *  TEST CASE NAME:          SFRES14
04BF   803  ;  *
04BF   804  ;  *  SYSTEM SERVICE:          RESUME
04BF   805  ;  *
04BF   806  ;  *  ARGUMENT UNDER TEST:     PIDADR_RES14
04BF   807  ;  *
04BF   808  ;  *  INPUT CONDITIONS:
04BF   809  ;  *    VALID, NON-EXISTENT PROCESS ID
04BF   810  ;  *
04BF   811  ;  *  EXPECTED RESULTS:
04BF   812  ;  *    1) SYSTEM STATUS CODE:  NONEXPR
04BF   813  ;  *    2) REGISTERS R2 THROUGH FP UNCHANGED
04BF   814  ;  *
04BF   815  ;  ************************************************************
04BF   816  ;--
04BF   817  ;
```

```
00000184'EF   00000000'EF  D0  04BF   818        MOVL    TPID,PIDADR_RES14 ; GET AN EXISTENT PID
00000186'EF      1770 8F   B0  04CA   819        MOVW    #6000,PIDADR_RES14+2 ; MAKE IT NON-EXISTENT
                               04D3   820  :
                               04D3   821        NEXT_TEST_CASE  SFRES20
```

```
                          04DF    822  :
                          04DF    823  :++
                          04DF    824  ;************************************************************
                          04DF    825  ;*
                          04DF    826  ;*  TEST CASE NAME:           SFRES20
                          04DF    827  ;*
                          04DF    828  ;*  SYSTEM SERVICE:           RESUME
                          04DF    829  ;*
                          04DF    830  ;*  ARGUMENT UNDER TEST:      PRCNAM_RES20
                          04DF    831  ;*
                          04DF    832  ;*  INPUT CONDITIONS:
                          04DF    833  ;*     PRCNAM STRING DESCRIPTOR LENGTH FIELD IN
                          04DF    834  ;*        NON-ACCESSIBLE PSECT.
                          04DF    835  ;*
                          04DF    836  ;*  EXPECTED RESULTS:
                          04DF    837  ;*     1) SYSTEM STATUS CODE:  ACCVIO
                          04DF    838  ;*     2) REGISTERS R2 THROUGH FP UNCHANGED
                          04DF    839  ;*
                          04DF    840  ;************************************************************
                          04DF    841  ;--
                          04DF    842  ;
      0000017C'EF   D4    04DF    843          CLRL    PIDADR_RES      ; MAKE SURE PRCNAM IS USED BY RESUME
                          04E5    844  ;
                          04E5    845          NEXT_TEST_CASE  SFRES21
```

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D 3
- SATS SYSTEM SERVICE TESTS (FAILING S. 16-SEP-1984 00:33:45 VAX/VMS Macro V04-00   Page 31
SFRES21   5-SEP-1984 04:27:50 [UETPSY.SRC]SATSSF05.MAR;1   (2)

```
                    04F1   846 :++
                    04F1   847 ;*
                    04F1   848 :***************************************************************
                    04F1   849 :*
                    04F1   850 :*  TEST CASE NAME:           SFRES21
                    04F1   851 :*
                    04F1   852 :*  SYSTEM SERVICE:           RESUME  .
                    04F1   853 :*
                    04F1   854 :*  ARGUMENT UNDER TEST:      PRCNAM_RES21
                    04F1   855 :*
                    04F1   856 :*  INPUT CONDITIONS:
                    04F1   857 :*     PRCNAM STRING DESCRIPTOR LENGTH FIELD BEGINS IN
                    04F1   858 :*        ACCESSIBLE PSECT, ENDS IN NON-ACCESSIBLE PSECT.
                    04F1   859 :*
                    04F1   860 :*  EXPECTED RESULTS:
                    04F1   861 :*     1) SYSTEM STATUS CODE:  ACCVIO
                    04F1   862 :*     2) REGISTERS R2 THROUGH FP UNCHANGED
                    04F1   863 :*
                    04F1   864 :***************************************************************
                    04F1   865 :--
                    04F1   866 :
0000017C'EF    D4   04F1   867          CLRL     PIDADR_RES      ; MAKE SURE PRCNAM IS USED BY RESUME
                    04F7   868 :
                    04F7   869          NEXT_TEST_CASE  SFRES22
```

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E 3
- SATS SYSTEM SERVICE TESTS (FAILING S. 16-SEP-1984 00:33:45 VAX/VMS Macro V04-00   Page 32
SFRES22   5-SEP-1984 04:27:50 [UETPSY.SRC]SATSSF05.MAR;1   (2)

```
                        0503  870 ;
                        0503  871 ;++
                        0503  872 ;*******************************************************
                        0503  873 ;*
                        0503  874 ;*   TEST CASE NAME:          SFRES22
                        0503  875 ;*
                        0503  876 ;*   SYSTEM SERVICE:          RESUME
                        0503  877 ;*
                        0503  878 ;*   ARGUMENT UNDER TEST:     PRCNAM_RES22
                        0503  879 ;*
                        0503  880 ;*   INPUT CONDITIONS:
                        0503  881 ;*      PRCNAM STRING DESCRIPTOR ADDRESS FIELD IN
                        0503  882 ;*         NON-ACCESSIBLE PSECT.
                        0503  883 ;*
                        0503  884 ;*   EXPECTED RESULTS:
                        0503  885 ;*      1) SYSTEM STATUS CODE:  ACCVIO
                        0503  886 ;*      2) REGISTERS R2 THROUGH FP UNCHANGED
                        0503  887 ;*
                        0503  888 ;*******************************************************
                        0503  889 ;--
                        0503  890 ;
    0000017C'EF   D4    0503  891         CLRL    PIDADR_RES       ; MAKE SURE PRCNAM IS USED BY RESUME
000001FC'EF   03   9A    0509  892         MOVZBL  #3,PRCNAM_RES22  ; ESTABLISH PRCNAM STRING LENGTH
                        0510  893 ;
                        0510  894         NEXT_TEST_CASE  SFRES23
```

```
                      051C   895  ;++
                      051C   896  ;******************************************************
                      051C   897  ;*
                      051C   898  ;*
                      051C   899  ;*   TEST CASE NAME:          SFRES23
                      051C   900  ;*
                      051C   901  ;*   SYSTEM SERVICE:          RESUME
                      051C   902  ;*
                      051C   903  ;*   ARGUMENT UNDER TEST:     PRCNAM_RES23
                      051C   904  ;*
                      051C   905  ;*   INPUT CONDITIONS:
                      051C   906  ;*      PRCNAM STRING DESCRIPTOR ADDRESS FIELD BEGINS IN
                      051C   907  ;*      ACCESSIBLE PSECT, ENDS IN NON-ACCESSIBLE PSECT.
                      051C   908  ;*
                      051C   909  ;*   EXPECTED RESULTS:
                      051C   910  ;*      1) SYSTEM STATUS CODE:  ACCVIO
                      051C   911  ;*      2) REGISTERS R2 THROUGH FP UNCHANGED
                      051C   912  ;*
                      051C   913  ;******************************************************
                      051C   914  ;--
                      051C   915  ;
0000017C'EF  D4       051C   916          CLRL    PIDADR_RES       ; MAKE SURE PRCNAM IS USED BY RESUME
000001FB'EF  03  9A   0522   917          MOVZBL  #3,PRCNAM_RES23  ; ESTABLISH PRCNAM STRING LENGTH
                      0529   918  ;
                      0529   919          NEXT_TEST_CASE  SFRES24
```

```
                    0535   920 :++
                    0535   921 :*****************************************************
                    0535   922 :*
                    0535   923 :*
                    0535   924 :*   TEST CASE NAME:          SFRES24
                    0535   925 :*
                    0535   926 :*   SYSTEM SERVICE:          RESUME
                    0535   927 :*
                    0535   928 :*   ARGUMENT UNDER TEST:     PRCNAM_RES24
                    0535   929 :*
                    0535   930 :*   INPUT CONDITIONS:
                    0535   931 :*      PRCNAM STRING IN NON-ACCESSIBLE PSECT
                    0535   932 :*
                    0535   933 :*   EXPECTED RESULTS:
                    0535   934 :*      1) SYSTEM STATUS CODE: ACCVIO
                    0535   935 :*      2) REGISTERS R2 THROUGH FP UNCHANGED
                    0535   936 :*
                    0535   937 :*****************************************************
                    0535   938 :--
                    0535   939 :
  0000017C'EF  D4   0535   940          CLRL    PIDADR_RES      ; MAKE SURE PRCNAM IS USED BY RESUME
                    053B   941 :
                    053B   942          TCEND
```

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H 3
- SATS SYSTEM SERVICE TESTS (FAILING S. 16-SEP-1984 00:33:45 VAX/VMS Macro V04-00   Page 35
                                        5-SEP-1984 04:27:50 LUETPSY.SRC:SATSSF05.MAR;1   (2)

```
053C   943 ;        TC_GROUP        RES,2,TS4
0563   944 ;
0563   945 ;        NEXT_TEST_CASE  SFRES25
```

```
                0563  946  :++
                0563  947  :*  ************************************************************
                0563  948  :*
                0563  949  :*
                0563  950  :*    TEST CASE NAME:        SFRES25
                0563  951  :*
                0563  952  :*    SYSTEM SERVICE:        RESUME
                0563  953  :*
                0563  954  :*    ARGUMENT UNDER TEST:   PRCNAM_RES25
                0563  955  :*
                0563  956  :*    INPUT CONDITIONS:
                0563  957  :*       PRCNAM STRING BEGINS IN ACCESSIBLE PSECT,
                0563  958  :*          ENDS IN NON-ACCESSIBLE PSECT.
                0563  959  :*
                0563  960  :*    EXPECTED RESULTS:
                0563  961  :*       1) SYSTEM STATUS CODE:  ACCVIO
                0563  962  :*       2) REGISTERS R2 THROUGH FP UNCHANGED
                0563  963  :*
                0563  964  :*  ************************************************************
                0563  965  :--
                0563  966  :
 0000017C'EF  D4 0563  967          CLRL    PIDADR_RES      ; MAKE SURE PRCNAM IS USED BY RESUME
                0569  968  ;
                0569  969          NEXT_TEST_CASE  SFRES26
```

```
                          0575    970  :
                          0575    971  :++
                          0575    972  :   ****************************************************
                          0575    973  :   *
                          0575    974  :   *    TEST CASE NAME:        SFRES26
                          0575    975  :   *
                          0575    976  :   *    SYSTEM SERVICE:        RESUME
                          0575    977  :   *
                          0575    978  :   *    ARGUMENT UNDER TEST:   PRCNAM_RES26
                          0575    979  :   *
                          0575    980  :   *    INPUT CONDITIONS:
                          0575    981  :   *       NON-EXISTENT PROCESS NAME
                          0575    982  :   *
                          0575    983  :   *    EXPECTED RESULTS:
                          0575    984  :   *       1) SYSTEM STATUS CODE:  NONEXPR
                          0575    985  :   *       2) REGISTERS R2 THROUGH FP UNCHANGED
                          0575    986  :   *
                          0575    987  :   ****************************************************
                          0575    988  :--
                          0575    989  :
       0000017C'EF   D4   0575    990          CLRL    PIDADR_RES      ; MAKE SURE PRCNAM IS USED BY RESUME
                          057B    991  :
                          057B    992          NEXT_TEST_CASE  SFRES27
```

```
                    0587  993  ;
                    0587  994  ;++
                    0587  995  ;*************************************************************
                    0587  996  ;*
                    0587  997  ;*  TEST CASE NAME:          SFRES27
                    0587  998  ;*
                    0587  999  ;*  SYSTEM SERVICE:          RESUME
                    0587 1000  ;*
                    0587 1001  ;*  ARGUMENT UNDER TEST:  ·  PRCNAM_RES27
                    0587 1002  ;*
                    0587 1003  ;*  INPUT CONDITIONS:
                    0587 1004  ;*     INVALID PROCESS NAME (LENGTH 0)
                    0587 1005  ;*
                    0587 1006  ;*  EXPECTED RESULTS:
                    0587 1007  ;*     1) SYSTEM STATUS CODE:  IVLOGNAM
                    0587 1008  ;*     2) REGISTERS R2 THROUGH FP UNCHANGED
                    0587 1009  ;*
                    0587 1010  ;*************************************************************
                    0587 1011  ;--
                    0587 1012  ;
0000017C'EF   D4    0587 1013          CLRL    PIDADR_RES      ; MAKE SURE PRCNAM IS USED BY RESUME
                    058D 1014  ;
                    058D 1015          NEXT_TEST_CASE  SFRES28
```

```
                       0599   1016 :
                       0599   1017 :++
                       0599   1018 :  ********************************************************
                       0599   1019 :  *
                       0599   1020 :  *  TEST CASE NAME:          SFRES28
                       0599   1021 :  *
                       0599   1022 :  *  SYSTEM SERVICE:          RESUME
                       0599   1023 :  *
                       0599   1024 :  *  ARGUMENT UNDER TEST:     PRCNAM_RES28
                       0599   1025 :  *
                       0599   1026 :  *  INPUT CONDITIONS:
                       0599   1027 :  *     INVALID PROCESS NAME (LENGTH 16)
                       0599   1028 :  *
                       0599   1029 :  *  EXPECTED RESULTS:
                       0599   1030 :  *     1) SYSTEM STATUS CODE:  IVLOGNAM
                       0599   1031 :  *     2) REGISTERS R2 THROUGH FP UNCHANGED
                       0599   1032 :  *
                       0599   1033 :  ********************************************************
                       0599   1034 :--
                       0599   1035 :
0000017C'EF   D4       0599   1036        CLRL    PIDADR_RES        ; MAKE SURE PRCNAM IS USED BY RESUME
                       059F   1037 :
                       059F   1038        NEXT_TEST_CASE SFRES29
                       059F   1039 :
                       059F   1040 :++
                       059F   1041 :  ********************************************************
                       059F   1042 :  *
                       059F   1043 :  *  TEST CASE NAME:          SFRES29
                       059F   1044 :  *
                       059F   1045 :  *  SYSTEM SERVICE:          RESUME
                       059F   1046 :  *
                       059F   1047 :  *  ARGUMENT UNDER TEST:     PRCNAM_RES29
                       059F   1048 :  *
                       059F   1049 :  *  INPUT CONDITIONS:
                       059F   1050 :  *     RESUME ISSUED FOR EXISTING PROCESS WHICH IS NOT A
                       059F   1051 :  *        SUBPROCESS OF THIS PROCESS, AND THIS PROCESS HAS
                       059F   1052 :  *        NO GROUP OR WORLD PRIVILEGE.
                       059F   1053 :  *
                       059F   1054 :  *  EXPECTED RESULTS:
                       059F   1055 :  *     1) SYSTEM STATUS CODE:  NOPRIV
                       059F   1056 :  *     2) REGISTERS R2 THROUGH FP UNCHANGED
                       059F   1057 :  *
                       059F   1058 :  ********************************************************
                       059F   1059 :--
                       059F   1060 :
                       059F   1061 :        PRIV    REM,GROUP         ; REMOVE GROUP PRIVILEGE
                       059F   1062 :        PRIV    REM,WORLD         ; REMOVE WORLD PRIVILEGE
                       059F   1063 :        CLRL    PIDADR_RES        ; MAKE SURE PRCNAM IS USED BY RESUME
                       059F   1064 :
                       059F   1065 :        TCEND
                       059F   1066        TC_GROUP      SWK,1,TS5
                       05C6   1067 :
                       05C6   1068        NEXT_TEST_CASE SFSWK10
```

```
05C6   1069  :
05C6   1070  :++
05C6   1071  :   ***********************************************************
05C6   1072  :   *
05C6   1073  :   *   TEST CASE NAME:          SFSWK10
05C6   1074  :   *
05C6   1075  :   *   SYSTEM SERVICE:          SCHDWK
05C6   1076  :   *
05C6   1077  :   *   ARGUMENT UNDER TEST:     PIDADR_SWK10
05C6   1078  :   *
05C6   1079  :   *   INPUT CONDITIONS:
05C6   1080  :   *      PIDADR FIELD AT LOCATION 1
05C6   1081  :   *
05C6   1082  :   *   EXPECTED RESULTS:
05C6   1083  :   *      1) SYSTEM STATUS CODE:  ACCVIO
05C6   1084  :   *      2) REGISTERS R2 THROUGH FP UNCHANGED
05C6   1085  :   *
05C6   1086  :   ***********************************************************
05C6   1087  :--
05C6   1088  :
05C6   1089  :       PRIV    ADD,ALL          ; GET BACK SOME PRIVS REMOVED BY PRIOR T.C.
05E6   1090  :
05E6   1091          NEXT_TEST_CASE  SFSWK11
```

N 3

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V04-000   SFSWK11   5-SEP-1984 04:27:50 [UETPSY.SRC]SATSSF05.MAR;1   (2)

```
05F2  1092  ;
05F2  1093  ;++
05F2  1094  ; ***********************************************************
05F2  1095  ; *
05F2  1096  ; *  TEST CASE NAME:          SFSWK11
05F2  1097  ; *
05F2  1098  ; *  SYSTEM SERVICE:          SCHDWK
05F2  1099  ; *
05F2  1100  ; *  ARGUMENT UNDER TEST:     PIDADR_SWK11
05F2  1101  ; *
05F2  1102  ; *  INPUT CONDITIONS:
05F2  1103  ; *     PIDADR FIELD IN NON-ACCESSIBLE PSECT
05F2  1104  ; *
05F2  1105  ; *  EXPECTED RESULTS·
05F2  1106  ; *     1) SYSTEM STATUS CODE:  ACCVIO
05F2  1107  ; *     2) REGISTERS R2 THROUGH FP UNCHANGED
05F2  1108  ; *
05F2  1109  ; ***********************************************************
05F2  1110  ;--
05F2  1111  ;
05F2  1112  ;
05F2  1113          NEXT_TEST_CASE  SFSWK12
```

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                    B 4
- SATS SYSTEM SERVICE TESTS (FAILING S. 16-SEP-1984 00:33:45 VAX/VMS Macro V04-00   Page 42
SFSWK12   5-SEP-1984 04:27:50 [UETPSY.SRC]SATSSF05.MAR;1   (2)

```
05FE   1114  ;
05FE   1115  ;++
05FE   1116  ;*****************************************************************
05FE   1117  ;*
05FE   1118  ;*   TEST CASE NAME:          SFSWK12
05FE   1119  ;*
05FE   1120  ;*   SYSTEM SERVICE:          SCHDWK
05FE   1121  ;*
05FE   1122  ;*   ARGUMENT UNDER TEST:     PIDADR_SWK12
05FE   1123  ;*
05FE   1124  ;*   INPUT CONDITIONS:
05FE   1125  ;*.      PIDADR FIELD BEGINS IN ACCESSIBLE PSECT, ENDS
05FE   1126  ;*       IN NON-ACCESSIBLE PSECT.
05FE   1127  ;*
05FE   1128  ;*   EXPECTED RESULTS:
05FE   1129  ;*      1) SYSTEM STATUS CODE:  ACCVIO
05FE   1130  ;*      2) REGISTERS R2 THROUGH FP UNCHANGED
05FE   1131  ;*
05FE   1132  ;*****************************************************************
05FE   1133  ;--
05FE   1134  ;
05FE   1135  ;
05FE   1136           NEXT_TEST_CASE  SFSWK13
```

```
                            060A  1137 :
                            060A  1138 :++
                            060A  1139 :*******************************************************
                            060A  1140 :*
                            060A  1141 :*  TEST CASE NAME:          SFSWK13
                            060A  1142 :*
                            060A  1143 :*  SYSTEM SERVICE:          SCHDWK
                            060A  1144 :*
                            060A  1145 :*  ARGUMENT UNDER TEST:     PIDADR_SWK13
                            060A  1146 :*
                            060A  1147 :*  INPUT CONDITIONS:
                            060A  1148 :*     INVALID PROCESS ID
                            060A  1149 :*
                            060A  1150 :*  EXPECTED RESULTS:
                            060A  1151 :*     1) SYSTEM STATUS CODE:  NONEXPR
                            060A  1152 :*     2) REGISTERS R2 THROUGH FP UNCHANGED
                            060A  1153 :*
                            060A  1154 :*******************************************************
                            060A  1155 :--
                            060A  1156 :
0000018C'EF   00000000'EF  DO 060A  1157        MOVL    TPID,PIDADR_SWK13 ; GET A VALID PID
     0000018C'EF   FF 8F   99 0615  1158        CVTBW   #-1,PIDADR_SWK13  ; MAKE IT INVALID
                            061D  1159 :
                            061D  1160        NEXT_TEST_CASE  SFSWK14
```

```
                          0629  1161  ;++
                          0629  1162  ;
                          0629  1163  ;  **********************************************************
                          0629  1164  ;  *
                          0629  1165  ;  *   TEST CASE NAME:          SFSWK14
                          0629  1166  ;  *
                          0629  1167  ;  *   SYSTEM SERVICE:          SCHDWK
                          0629  1168  ;  *
                          0629  1169  ;  *   ARGUMENT UNDER TEST:     PIDADR_SWK14
                          0629  1170  ;  *
                          0629  1171  ;  *   INPUT CONDITIONS:
                          0629  1172  ;  *      VALID, NON-EXISTENT PROCESS ID
                          0629  1173  ;  *
                          0629  1174  ;  *   EXPECTED RESULTS:
                          0629  1175  ;  *      1) SYSTEM STATUS CODE:  NONEXPR
                          0629  1176  ;  *      2) REGISTERS R2 THROUGH FP UNCHANGED
                          0629  1177  ;  *
                          0629  1178  ;  **********************************************************
                          0629  1179  ;--
                          0629  1180  ;
00000190'EF   00000000'EF  D0  0629  1181           MOVL    TPID,PIDADR_SWK14 ; GET AN EXISTENT PID
00000192'EF       1770 8F  B0  0634  1182           MOVW    #6000,PIDADR_SWK14+2 ; MAKE IT NON-EXISTENT
                          063D  1183  ;
                          063D  1184           NEXT_TEST_CASE  SFSWK20
```

```
                    0649  1185  ;
                    0649  1186  ;++
                    0649  1187  ;************************************************************
                    0649  1188  ; *
                    0649  1189  ; *   TEST CASE NAME:          SFSWK20
                    0649  1190  ; *
                    0649  1191  ; *   SYSTEM SERVICE:          SCHDWK
                    0649  1192  ; *
                    0649  1193  ; *   ARGUMENT UNDER TEST:     PRCNAM_SWK20
                    0649  1194  ; *
                    0649  1195  ; *   INPUT CONDITIONS:
                    0649  1196  ; *     PRCNAM STRING DESCRIPTOR LENGTH FIELD IN
                    0649  1197  ; *        NON-ACCESSIBLE PSECT.
                    0649  1198  ; *
                    0649  1199  ; *   EXPECTED RESULTS:
                    0649  1200  ; *     1) SYSTEM STATUS CODE:  ACCVIO
                    0649  1201  ; *     2) REGISTERS R2 THROUGH FP UNCHANGED
                    0649  1202  ; *
                    0649  1203  ;************************************************************
                    0649  1204  ;--
                    0649  1205  ;
00000188'EF   D4    0649  1206  ;          CLRL    PIDADR_SWK      ; MAKE SURE PRCNAM IS USED BY SCHDWK
              064F  1207  ;
              064F  1208            NEXT_TEST_CASE  SFSWK21
```

```
                   065B  1209  ;++
                   065B  1210  ;
                   065B  1211  ; *********************************************************
                   065B  1212  ; *
                   065B  1213  ; *   TEST CASE NAME:          SFSWK21
                   065B  1214  ; *
                   065B  1215  ; *   SYSTEM SERVICE:          SCHDWK
                   065B  1216  ; *
                   065B  1217  ; *   ARGUMENT UNDER TEST:     PRCNAM_SWK21
                   065B  1218  ; *
                   065B  1219  ; *   INPUT CONDITIONS:
                   065B  1220  ; *     PRCNAM STRING DESCRIPTOR LENGTH FIELD BEGINS IN
                   065B  1221  ; *       ACCESSIBLE PSECT, ENDS IN NON-ACCESSIBLE PSECT.
                   065B  1222  ; *
                   065B  1223  ; *   EXPECTED RESULTS:
                   065B  1224  ; *     1) SYSTEM STATUS CODE:  ACCVIO
                   065B  1225  ; *     2) REGISTERS R2 THROUGH FP UNCHANGED
                   065B  1226  ; *
                   065B  1227  ; *********************************************************
                   065B  1228  ;--
                   065B  1229  ;
00000188'EF  D4    065B  1230          CLRL    PIDADR_SWK       ; MAKE SURE PRCNAM IS USED BY SCHDWK
                   0661  1231  ;
                   0661  1232          NEXT_TEST_CASE  SFSWK22
```

```
                        066D   1233   ;+
                        066D   1234   ;+
                        066D   1235   ;   **************************************************************
                        066D   1236   ;   *
                        066D   1237   ;   *   TEST CASE NAME:          SFSWK22
                        066D   1238   ;   *
                        066D   1239   ;   *   SYSTEM SERVICE:          SCHDWK
                        066D   1240   ;   *
                        066D   1241   ;   *   ARGUMENT UNDER TEST:     PRCNAM_SWK22
                        066D   1242   ;   *
                        066D   1243   ;   *   INPUT CONDITIONS:
                        066D   1244   ;   *     PRCNAM STRING DESCRIPTOR ADDRESS FIELD IN
                        066D   1245   ;   *       NON-ACCESSIBLE PSECT.
                        066D   1246   ;   *
                        066D   1247   ;   *   EXPECTED RESULTS:
                        066D   1248   ;   *     1) SYSTEM STATUS CODE:  ACCVIO
                        066D   1249   ;   *     2) REGISTERS R2 THROUGH FP UNCHANGED
                        066D   1250   ;   *
                        066D   1251   ;   **************************************************************
                        066D   1252   ;--
                        066D   1253
      00000188'EF   D4  066D   1254       CLRL    PIDADR_SWK      ; MAKE SURE PRCNAM IS USED BY SCHDWK
      000001FC'EF 03 9A 0673   1255       MOVZBL  #3,PRCNAM_SWK22           ; ESTABLISH PRCNAM STRING LENGTH
                        067A   1256   ;
                        067A   1257       NEXT_TEST_CASE  SFSWK23
```

```
                                    0686  1258  ;++
                                    0686  1259  ;****************************************************************
                                    0686  1260  ;*
                                    0686  1261  ;*
                                    0686  1262  ;*   TEST CASE NAME:        SFSWK23
                                    0686  1263  ;*
                                    0686  1264  ;*   SYSTEM SERVICE:        SCHDWK
                                    0686  1265  ;*
                                    0686  1266  ;*   ARGUMENT UNDER TEST:   PRCNAM_SWK23
                                    0686  1267  ;*
                                    0686  1268  ;*   INPUT CONDITIONS:
                                    0686  1269  ;*      PRCNAM STRING DESCRIPTOR ADDRESS FIELD BEGINS IN
                                    0686  1270  ;*         ACCESSIBLE PSECT, ENDS IN NON-ACCESSIBLE PSECT.
                                    0686  1271  ;*
                                    0686  1272  ;*   EXPECTED RESULTS:
                                    0686  1273  ;*      1) SYSTEM STATUS CODE: ACCVIO
                                    0686  1274  ;*      2) REGISTERS R2 THROUGH FP UNCHANGED
                                    0686  1275  ;*
                                    0686  1276  ;****************************************************************
                                    0686  1277  ;--
                                    0686  1278
           00000188'EF    D4       0686  1279          CLRL    PIDADR_SWK    ; MAKE SURE PRCNAM IS USED BY SCHDWK
           000001FB'EF 03 9A       068C  1280          MOVZBL  #3,PRCNAM_SWK23        ; ESTABLISH PRCNAM STRING LENGTH
                                    0693  1281  ;
                                    0693  1282          NEXT_TEST_CASE  SFSWK24
```

```
                      069F  1283  ;++
                      069F  1284  ;**************************************************************
                      069F  1285  ;*
                      069F  1286  ;*
                      069F  1287  ;*   TEST CASE NAME:          SFSWK24
                      069F  1288  ;*
                      069F  1289  ;*   SYSTEM SERVICE:          SCHDWK
                      069F  1290  ;*
                      069F  1291  ;*   ARGUMENT UNDER TEST:     PRCNAM_SWK24
                      069F  1292  ;*
                      069F  1293  ;*   INPUT CONDITIONS:
                      069F  1294  ;*     PRCNAM STRING IN NON-ACCESSIBLE PSECT
                      069F  1295  ;*
                      069F  1296  ;*   EXPECTED RESULTS:
                      069F  1297  ;*     1) SYSTEM STATUS CODE:  ACCVIO
                      069F  1298  ;*     2) REGISTERS R2 THROUGH FP UNCHANGED
                      069F  1299  ;*
                      069F  1300  ;**************************************************************
                      069F  1301  ;--
                      069F  1302  ;
00000188'EF   D4      069F  1303          CLRL    PIDADR_SWK      ; MAKE SURE PRCNAM IS USED BY SCHDWK
                      06A5  1304  ;
                      06A5  1305          NEXT_TEST_CASE  SFSWK30
```

```
06B1  1306 ;
06B1  1307 ;++
06B1  1308 ;************************************************************
06B1  1309 ;*
06B1  1310 ;*  TEST CASE NAME:           SFSWK30
06B1  1311 ;*
```

```
                        06B1  1313 ; *  SYSTEM SERVICE:            SCHDWK
                        06B1  1314 ; *
                        06B1  1315 ; *  ARGUMENT UNDER TEST:       DAYTIM_SWK30
                        06B1  1316 ; *
                        06B1  1317 ; *  INPUT CONDITIONS:
                        06B1  1318 ; *    EXPIRATION TIME FIELD AT LOCATION 0
                        06B1  1319 ; *
                        06B1  1320 ; *  EXPECTED RESULTS:
                        06B1  1321 ; *    1) SYSTEM STATUS CODE:  ACCVIO
                        06B1  1322 ; *    2) REGISTERS R2 THROUGH FP UNCHANGED
                        06B1  1323 ; *
                        06B1  1324 ; *************************************************************
                        06B1  1325 ;--
                        06B1  1326 ;
        00000188'EF  D4 06B1  1327        CLRL    PIDADR_SWK      ; LET SCHDWK USE PRCNAM
                        06B7  1328 ;
                        06B7  1329        NEXT_TEST_CASE SFSWK31
```

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V04-000

L 4
- SATS SYSTEM SERVICE TESTS (FAILING S. 16-SEP-1984 00:33:45 VAX/VMS Macro V04-00
SFSWK31   5-SEP-1984 04:27:50 [UETPSY.SRC]SATSSF05.MAR;1   Page 52
                                                                                      (3)

```
        06C3  1330  ;++
        06C3  1331  ;
        06C3  1332  ;*  ************************************************************
        06C3  1333  ;*
        06C3  1334  ;*  TEST CASE NAME:          SFSWK31
        06C3  1335  ;*
        06C3  1336  ;*  SYSTEM SERVICE:          SCHDWK
        06C3  1337  ;*
        06C3  1338  ;*  ARGUMENT UNDER TEST:     DAYTIM_SWK31
        06C3  1339  ;*
        06C3  1340  ;*  INPUT CONDITIONS:
        06C3  1341  ;*     EXPIRATION TIME FIELD IN NON-ACCESSIBLE PSECT
        06C3  1342  ;*
        06C3  1343  ;*  EXPECTED RESULTS:
        06C3  1344  ;*     1) SYSTEM STATUS CODE: ACCVIO
        06C3  1345  ;*     2) REGISTERS R2 THROUGH FP UNCHANGED
        06C3  1346  ;*
        06C3  1347  ;*  ************************************************************
        06C3  1348  ;--
        06C3  1349  ;
00000188'EF  D4  06C3  1350      CLRL    PIDADR_SWK      ; LET SCHDWK USE PRCNAM
        06C9  1351  ;
        06C9  1352      NEXT_TEST_CASE  SFSWK32
```

```
                   06D5   1353  ;++
                   06D5   1354  ;*************************************************
                   06D5   1355  ;*
                   06D5   1356  ;*
                   06D5   1357  ;* TEST CASE NAME:          SFSWK32
                   06D5   1358  ;*
                   06D5   1359  ;* SYSTEM SERVICE:          SCHDWK
                   06D5   1360  ;*
                   06D5   1361  ;* ARGUMENT UNDER TEST:     DAYTIM_SWK32
                   06D5   1362  ;*
                   06D5   1363  ;* INPUT CONDITIONS:
                   06D5   1364  ;*    EXPIRATION TIME FIELD BEGINS IN ACCESSIBLE PSECT,
                   06D5   1365  ;*    ENDS IN NON-ACCESSIBLE PSECT.
                   06D5   1366  ;*
                   06D5   1367  ;* EXPECTED RESULTS:
                   06D5   1368  ;*    1) SYSTEM STATUS CODE: ACCVIO
                   06D5   1369  ;*    2) REGISTERS R2 THROUGH FP UNCHANGED
                   06D5   1370  ;*
                   06D5   1371  ;*************************************************
                   06D5   1372  ;--
                   06D5   1373  ;
   00000188'EF  D4 06D5   1374        CLRL    PIDADR_SWK      ; LET SCHDWK USE PRCNAM
                   06DB   1375  ;
                   06DB   1376        NEXT_TEST_CASE  SFSWK40
```

```
                    06E7  1377 :
                    06E7  1378 :++
                    06E7  1379 :*****************************************************
                    06E7  1380 :*
                    06E7  1381 :*   TEST CASE NAME:         SFSWK40
                    06E7  1382 :*
                    06E7  1383 :*   SYSTEM SERVICE:         SCHDWK
                    06E7  1384 :*
                    06E7  1385 :*   ARGUMENT UNDER TEST:    REPTIM_SWK40
                    06E7  1386 :*
                    06E7  1387 :*   INPUT CONDITIONS:
                    06E7  1388 :*      REPEAT TIME FIELD AT LOCATION 1
                    06E7  1389 :*
                    06E7  1390 :*   EXPECTED RESULTS:
                    06E7  1391 :*      1) SYSTEM STATUS CODE: ACCVIO
                    06E7  1392 :*      2) REGISTERS R2 THROUGH FP UNCHANGED
                    06E7  1393 :*
                    06E7  1394 :*****************************************************
                    06E7  1395 :--
                    06E7  1396 :
00000188'EF   D4    06E7  1397         CLRL    PIDADR_SWK     ; LET SCHDWK USE PRCNAM
                    06ED  1398 :
                    06ED  1399         NEXT_TEST_CASE  SFSWK41
```

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B 5
- SATS SYSTEM SERVICE TESTS (FAILING S. 16-SEP-1984 00:33:45 VAX/VMS Macro V04-00   Page 55
SFSWK41   5-SEP-1984 04:27:50 [UETPSY.SRC]SATSSF05.MAR;1   (3)

```
                      06F9   1400  ;
                      06F9   1401  ;++
                      06F9   1402  ;**************************************************************
                      06F9   1403  ;*
                      06F9   1404  ;*  TEST CASE NAME:          SFSWK41
                      06F9   1405  ;*
                      06F9   1406  ;*  SYSTEM SERVICE:          SCHDWK
                      06F9   1407  ;*
                      06F9   1408  ;*  ARGUMENT UNDER TEST:     REPTIM_SWK41
                      06F9   1409  ;*
                      06F9   1410  ;*  INPUT CONDITIONS:
                      06F9   1411  ;*    REPEAT TIME FIELD IN NON-ACCESSIBLE PSECT
                      06F9   1412  ;*
                      06F9   1413  ;*  EXPECTED RESULTS:
                      06F9   1414  ;*    1) SYSTEM STATUS CODE: ACCVIO
                      06F9   1415  ;*    2) REGISTERS R2 THROUGH FP UNCHANGED
                      06F9   1416  ;*
                      06F9   1417  ;**************************************************************
                      06F9   1418  ;--
                      06F9   1419  ;
00000188'EF   D4      06F9   1420          CLRL    PIDADR_SWK      ; LET SCHDWK USE PRCNAM
                      06FF   1421  ;
                      06FF   1422          NEXT_TEST_CASE SFSWK42
```

```
                        070B  1423  :
                        070B  1424  :++
                        070B  1425  : ***********************************************************
                        070B  1426  : *
                        070B  1427  : *  TEST CASE NAME:        SFSWK42
                        070B  1428  : *
                        070B  1429  : *  SYSTEM SERVICE:        SCHDWK
                        070B  1430  : *
                        070B  1431  : *  ARGUMENT UNDER TEST:   REPTIM_SWK42
                        070B  1432  : *
                        070B  1433  : *  INPUT CONDITIONS:
                        070B  1434  : *    REPEAT TIME FIELD BEGINS IN ACCESSIBLE PSECT,
                        070B  1435  : *      ENDS IN NON-ACCESSIBLE PSECT.
                        070B  1436  : *
                        070B  1437  : *  EXPECTED RESULTS:
                        070B  1438  : *    1) SYSTEM STATUS CODE:  ACCVIO
                        070B  1439  : *    2) REGISTERS R2 THROUGH FP UNCHANGED
                        070B  1440  : *
                        070B  1441  : ***********************************************************
                        070B  1442  :--
                        070B  1443  :
      00000188'EF  D4   070B  1444        CLRL    PIDADR_SWK      ; LET SCHDWK USE PRCNAM
                        0711  1445  :
                        0711  1446        NEXT_TEST_CASE  SFSWK43
```

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D 5
- SATS SYSTEM SERVICE TESTS (FAILING S. 16-SEP-1984 00:33:45 VAX/VMS Macro V04-00   Page 57
SFSWK43   5-SEP-1984 04:27:50 [UETPSY.SRC]SATSSF05.MAR;1   (3)

```
                      071D   1447  ;
                      071D   1448  ;++
                      071D   1449  ;  ************************************************************
                      071D   1450  ;  *
                      071D   1451  ;  *   TEST CASE NAME:           SFSWK43
                      071D   1452  ;  *
                      071D   1453  ;  *   SYSTEM SERVICE:           SCHDWK
                      071D   1454  ;  *
                      071D   1455  ;  *   ARGUMENT UNDER TEST:      REPTIM_SWK43
                      071D   1456  ;  *
                      071D   1457  ;  *   INPUT CONDITIONS:
                      071D   1458  ;  *      INVALID (POSITIVE) REPEAT TIME VALUE (= 1)
                      071D   1459  ;  *
                      071D   1460  ;  *   EXPECTED RESULTS:
                      071D   1461  ;  *      1) SYSTEM STATUS CODE:  IVTIME
                      071D   1462  ;  *      2) REGISTERS R2 THROUGH FP UNCHANGED
                      071D   1463  ;  *
                      071D   1464  ;  ************************************************************
                      071D   1465  ;--
                      071D   1466  ;
     00000188'EF  D4  071D   1467          CLRL     PIDADR_SWK       ; LET SCHDWK USE PRCNAM
                      0723   1468  ;
                      0723   1469          NEXT_TEST_CASE  SFSWK44
```

```
                 072F  1470 :
                 072F  1471 :++
                 072F  1472 ;*******************************************************************
                 072F  1473 :*
                 072F  1474 :*  TEST CASE NAME:          SFSWK44
                 072F  1475 :*
                 072F  1476 :*  SYSTEM SERVICE:          SCHDWK
                 072F  1477 :*
                 072F  1478 :*  ARGUMENT UNDER TEST:     REPTIM_SWK44
                 072F  1479 :*
                 072F  1480 :*  INPUT CONDITIONS:
                 072F  1481 :*     INVALID (LARGE POSITIVE) REPEAT TIME VALUE
                 072F  1482 :*
                 072F  1483 :*  EXPECTED RESULTS:
                 072F  1484 :*     1) SYSTEM STATUS CODE:  IVTIME
                 072F  1485 :*     2) REGISTERS R2 THROUGH FP UNCHANGED
                 072F  1486 :*
                 072F  1487 ;*******************************************************************
                 072F  1488 :--
                 072F  1489 :
00000188'EF  D4  072F  1490 :      CLRL    PIDADR_SWK      ; LET SCHDWK USE PRCNAM
                 0735  1491 :
                 0735  1492        TCEND
```

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F 5
- SATS SYSTEM SERVICE TESTS (FAILING S. 16-SEP-1984 00:33:45 VAX/VMS Macro V04-00   Page 59
                                      5-SEP-1984 04:27:50 [UETPSY.SRC]SATSSF05.MAR;1   (3)

```
0736  1493          TC_GROUP       SWK.2.TS6
075D  1494  ;
075D  1495          NEXT_TEST_CASE  SFSWK25
```

```
                    075D  1496  ;++
                    075D  1497  ;
                    075D  1498  ; ***********************************************************
                    075D  1499  ; *
                    075D  1500  ; *  TEST CASE NAME:          SFSWK25
                    075D  1501  ; *
                    075D  1502  ; *  SYSTEM SERVICE:          SCHDWK
                    075D  1503  ; *
                    075D  1504  ; *  ARGUMENT UNDER TEST:     PRCNAM_SWK25
                    075D  1505  ; *
                    075D  1506  ; *  INPUT CONDITIONS:
                    075D  1507  ; *     PRCNAM STRING BEGINS IN ACCESSIBLE PSECT,
                    075D  1508  ; *        ENDS IN NON-ACCESSIBLE PSECT.
                    075D  1509  ; *
                    075D  1510  ; *  EXPECTED RESULTS:
                    075D  1511  ; *     1) SYSTEM STATUS CODE:  ACCVIO
                    075D  1512  ; *     2) REGISTERS R2 THROUGH FP UNCHANGED
                    075D  1513  ; *
                    075D  1514  ; ***********************************************************
                    075D  1515  ;--
                    075D  1516  ;
00000188'EF  D4     075D  1517  ;       CLRL    PIDADR_SWK      ; MAKE SURE PRCNAM IS USED BY SCHDWK
                    0763  1518  ;
                    0763  1519          NEXT_TEST_CASE SFSWK26
```

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M 5
- SATS SYSTEM SERVICE TESTS (FAILING S. 16-SEP-1984 00:33:45 VAX/VMS Macro V04-00   Page 61
SFSWK26   5-SEP-1984 04:27:50 [UETPSY.SRC]SATSSF05.MAR;1   (3)

```
                    076F   1520  :
                    076F   1521  :++
                    076F   1522  : ****************************************************************
                    076F   1523  : *
                    076F   1524  : *   TEST CASE NAME:          SFSWK26
                    076F   1525  : *
                    076F   1526  : *   SYSTEM SERVICE:          SCHDWK
                    076F   1527  : *
                    076F   1528  : *   ARGUMENT UNDER TEST:     PRCNAM_SWK26
                    076F   1529  : *
                    076F   1530  : *   INPUT CONDITIONS:
                    076F   1531  : *      NON-EXISTENT PROCESS NAME
                    076F   1532  : *
                    076F   1533  : *   EXPECTED RESULTS:
                    076F   1534  : *      1) SYSTEM STATUS CODE:  NONEXPR
                    076F   1535  : *      2) REGISTERS R2 THROUGH FP UNCHANGED
                    076F   1536  : *
                    076F   1537  : ****************************************************************
                    076F   1538  :--
                    076F   1539  :
00000188'EF  D4     076F   1540  :      CLRL    PIDADR_SWK      ; MAKE SURE PRCNAM IS USED BY SCHDWK
                    0775   1541  :
                    0775   1542  :      NEXT_TEST_CASE  SFSWK27
```

```
                    0781  1543  :
                    0781  1544  :++
                    0781  1545  :**************************************************************
                    0781  1546  :*
                    0781  1547  :*  TEST CASE NAME:            SFSWK27
                    0781  1548  :*
                    0781  1549  :*  SYSTEM SERVICE:            SCHDWK
                    0781  1550  :*
                    0781  1551  :*  ARGUMENT UNDER TEST:       PRCNAM_SWK27
                    0781  1552  :*
                    0781  1553  :*  INPUT CONDITIONS:
                    0781  1554  :*     INVALID PROCESS NAME (LENGTH 0)
                    0781  1555  :*
                    0781  1556  :*  EXPECTED RESULTS:
                    0781  1557  :*     1) SYSTEM STATUS CODE:  IVLOGNAM
                    0781  1558  :*     2) REGISTERS R2 THROUGH FP UNCHANGED
                    0781  1559  :*
                    0781  1560  :**************************************************************
                    0781  1561  :--
                    0781  1562  :
 00000188'EF   D4   0781  1563          CLRL    PIDADR_SWK      ; MAKE SURE PRCNAM IS USED BY SCHDWK
                    0787  1564  :
                    0787  1565          NEXT_TEST_CASE  SFSWK28
```

```
                              0793  1566  :++
                              0793  1567  :  ****************************************************************
                              0793  1568  :  *
                              0793  1569  :  *
                              0793  1570  :  *  TEST CASE NAME:        SFSWK28
                              0793  1571  :  *
                              0793  1572  :  *  SYSTEM SERVICE:        SCHDWK
                              0793  1573  :  *
                              0793  1574  :  *  ARGUMENT UNDER TEST:   PRCNAM_SWK28
                              0793  1575  :  *
                              0793  1576  :  *  INPUT CONDITIONS:
                              0793  1577  :  *     INVALID PROCESS NAME (LENGTH 16)
                              0793  1578  :  *
                              0793  1579  :  *  EXPECTED RESULTS:
                              0793  1580  :  *     1) SYSTEM STATUS CODE: IVLOGNAM
                              0793  1581  :  *     2) REGISTERS R2 THROUGH FP UNCHANGED
                              0793  1582  :  *
                              0793  1583  :  ****************************************************************
                              0793  1584  :--
                              0793  1585  :
00000188'EF  D4               0793  1586  :        CLRL    PIDADR_SWK     ; MAKE SURE PRCNAM IS USED BY SCHDWK
                              0799  1587  :
                              0799  1588  :        NEXT_TEST_CASE  SFSWK29
                              0799  1589  :
                              0799  1590  :++
                              0799  1591  :  ****************************************************************
                              0799  1592  :  *
                              0799  1593  :  *  TEST CASE NAME:        SFSWK29
                              0799  1594  :  *
                              0799  1595  :  *  SYSTEM SERVICE:        SCHDWK
                              0799  1596  :  *
                              0799  1597  :  *  ARGUMENT UNDER TEST:   PRCNAM_SWK29
                              0799  1598  :  *
                              0799  1599  :  *  INPUT CONDITIONS:
                              0799  1600  :  *     SCHDWK ISSUED FOR EXISTING PROCESS WHICH IS NOT A
                              0799  1601  :  *     SUBPROCESS OF THIS PROCESS, AND THIS PROCESS HAS
                              0799  1602  :  *     NO GROUP OR WORLD PRIVILEGE.
                              0799  1603  :  *
                              0799  1604  :  *  EXPECTED RESULTS:
                              0799  1605  :  *     1) SYSTEM STATUS CODE: NOPRIV
                              0799  1606  :  *     2) REGISTERS R2 THROUGH FP UNCHANGED
                              0799  1607  :  *
                              0799  1608  :  ****************************************************************
                              0799  1609  :--
                              0799  1610  :
                              0799  1611  :        PRIV    REM,GROUP      ; REMOVE GROUP PRIVILEGE
                              0799  1612  :        PRIV    REM,WORLD      ; REMOVE WORLD PRIVILEGE
                              0799  1613  :        CLRL    PIDADR_SWK     ; MAKE SURE PRCNAM IS USED BY SCHDWK
                              0799  1614  :
                              0799  1615  :        TCEND
```

```
079A  1616 TS1:
079A  1617          TESTSERV        SUSPND,ERR,SATS,                                    -
079A  1618                                                                              -
079A  1619             <1,PIDADR_SUS,                                                   -
079A  1620                          PIDADR_SUS10,ACCVIO,    -  ;  SFSUS10
079A  1621                          PIDADR_SUS11,ACCVIO;    -  ;  SFSUS11
079A  1622                          PIDADR_SUS12,ACCVIO,    -  ;  SFSUS12
079A  1623                          PIDADR_SUS13,NONEXPR,   -  ;  SFSUS13
079A  1624                          PIDADR_SUS14,NONEXPR,      >,  SFSUS14
079A  1625                                                                              -
079A  1626                                                                              -
079A  1627             <1,PRCNAM_SUS,                                                   -
079A  1628                          PRCNAM_SUS20,ACCVIO,    -  ;  SFSUS20
079A  1629                          PRCNAM_SUS21,ACCVIO;    -  ;  SFSUS21
079A  1630                          PRCNAM_SUS22,ACCVIO,    -  ;  SFSUS22
079A  1631                          PRCNAM_SUS23,ACCVIO;    -  ;  SFSUS23
079A  1632                          PRCNAM_SUS24,ACCVIO;    -  ,  SFSUS24
079A  1633                                                    >,                        -
079A  1634
092E  1635          TS_CLEANUP                 ; CLEAN UP & RETURN TO TEST_SERV_EXEC
```

```
094E  1636 TS2:
094E  1637          TESTSERV        SUSPND,ERR,SATS,                                        -
094E  1638                                                                                  -
094E  1639            <1,PIDADR_SUS,                                                         -
094E  1640                                                          >.                       -
094E  1641                                                                                   -
094E  1642            <1,PRCNAM_SUS,                                                          -
094E  1643                          PRCNAM_SUS25,ACCVIO,    -  ; SFSUS25
094E  1644                          PRCNAM_SUS26,NONEXPR,   -  ; SFSUS26
094E  1645                          PRCNAM_SUS27,IVLOGNAM,  -  ; SFSUS27
094E  1646                          PRCNAM_SUS28,IVLOGNAM,  -  ; SFSUS28
094E  1647 :                        PRCNAM_SUS29,NOPRIV,    -  ; SFSUS29
094E  1648                                                          >.                       -
094E  1649
0AB1  1650          TS_CLEANUP                      ; CLEAN UP & RETURN TO TEST_SERV_EXEC
```

SATSSF05
V04-000
```
                                M 5
      - SATS SYSTEM SERVICE TESTS  (FAILING S. 16-SEP-1984 00:33:45  VAX/VMS Macro V04-00          Page 66
                                               5-SEP-1984 04:27:50  [UETPSY.SRC]SATSSF05.MAR;1           (3)
```

```
OAD1   1651  TS3:
OAD1   1652          TESTSERV        RESUME,ERR,SATS,                                         -
OAD1   1653                                                                                   :
OAD1   1654          <1,PIDADR_RES,                                                           :
OAD1   1655                          PIDADR_RES10,ACCVIO,    -   ; SFRES10
OAD1   1656                          PIDADR_RES11,ACCVIO,    -   ; SFRES11
OAD1   1657                          PIDADR_RES12,ACCVIO,    -   ; SFRES12
OAD1   1658                          PIDADR_RES13,NONEXPR,   -   ; SFRES13
OAD1   1659                          PIDADR_RES14,NONEXPR,   -   ; SFRES14
OAD1   1660                                                        >,                         -
OAD1   1661                                                                                   :
OAD1   1662          <1,PRCNAM_RES,                                                           :
OAD1   1663                          PRCNAM_RES20,ACCVIO,    -   ; SFRES20
OAD1   1664                          PRCNAM_RES21,ACCVIO,    -   ; SFRES21
OAD1   1665                          PRCNAM_RES22,ACCVIO,    -   ; SFRES22
OAD1   1666                          PRCNAM_RES23,ACCVIO,    -   ; SFRES23
OAD1   1667                          PRCNAM_RES24,ACCVIO,    -   ; SFRES24
OAD1   1668                                                        >,                         -
OAD1   1669
OC65   1670          TS_CLEANUP              ; CLEAN UP & RETURN TO TEST_SERV_EXEC
```

```
0CB5  1671 TS4:
0CB5  1672          TESTSERV        RESUME,ERR,SATS,                                                    -
0CB5  1673                                                                                              -
0CB5  1674              <1,PIDADR_RES,                                                                  -
0CB5  1675                                                             >,                               -
0CB5  1676                                                                                              -
0CB5  1677              <1,PRCNAM_RES,                                                                  -
0CB5  1678                          PRCNAM_RES25,ACCVIO,    -  ; SFRES25
0CB5  1679                          PRCNAM_RES26,NONEXPR,   -  ; SFRES26
0CB5  1680                          PRCNAM_RES27,IVLOGNAM,  -  ; SFRES27
0CB5  1681                          PRCNAM_RES28,IVLOGNAM,  -  ; SFRES28
0CB5  1682 ;                        PRCNAM_RES29,NOPRIV,    -  ; SFRES29
0CB5  1683                                                             >,                               -
0CB5  1684
0DE8  1685          TS_CLEANUP                  ; CLEAN UP & RETURN TO TEST_SERV_EXEC
```

```
OE0B  1686  TS5:
OE0B  1687                TESTSERV       SCHDWK,ERR,SATS,              -
OE0B  1688                                                            -
OE0B  1689                  <1,PIDADR_SWK,                            -
OE0B  1690                         PIDADR_SWK10,ACCVIO,   - ; SFSWK10
OE0B  1691                         PIDADR_SWK11,ACCVIO,   - ; SFSWK11
OE0B  1692                         PIDADR_SWK12,ACCVIO,   - ; SFSWK12
OE0B  1693                         PIDADR_SWK13,NONEXPR,  - ; SFSWK13
OE0B  1694                         PIDADR_SWK14,NONEXPR,  >, ; SFSWK14
OE0B  1695                                                            -
OE0B  1696                                                            -
OE0B  1697                  <1,PRCNAM_SWK,                            -
OE0B  1698                         PRCNAM_SWK20,ACCVIO,   - ; SFSWK20
OE0B  1699                         PRCNAM_SWK21,ACCVIO,   - ; SFSWK21
OE0B  1700                         PRCNAM_SWK22,ACCVIO,   - ; SFSWK22
OE0B  1701                         PRCNAM_SWK23,ACCVIO,   - ; SFSWK23
OE0B  1702                         PRCNAM_SWK24,ACCVIO,   >, ; SFSWK24
OE0B  1703                                                            -
OE0B  1704                                                            -
OE0B  1705                  <1,DAYTIM_SWK,                            -
OE0B  1706                         DAYTIM_SWK30,ACCVIO,   - ; SFSWK30
OE0B  1707                         DAYTIM_SWK31,ACCVIO,   - ; SFSWK31
OE0B  1708                         DAYTIM_SWK32,ACCVIO,   >, ; SFSWK32
OE0B  1709                                                            -
OE0B  1710                                                            -
OE0B  1711                  <1,REPTIM_SWK,                            -
OE0B  1712                         REPTIM_SWK40,ACCVIO,   - ; SFSWK40
OE0B  1713                         REPTIM_SWK41,ACCVIO,   - ; SFSWK41
OE0B  1714                         REPTIM_SWK42,ACCVIO,   - ; SFSWK42
OE0B  1715                         REPTIM_SWK43,IVTIME,   - ; SFSWK43
OE0B  1716                         REPTIM_SWK44,IVTIME,   >, ; SFSWK44
OE0B  1717                                                            -
OE0B  1718
10FE  1719                TS_CLEANUP            ; CLEAN UP & RETURN TO TEST_SERV_EXEC
```

```
111E    1720 TS6:
111E    1721             TESTSERV        SCHDWK,ERR,SATS,                                    -
111E    1722                                                                                -
111E    1723                <1,PIDADR_SWK,                                                  -
111E    1724                                                        >,                      -
111E    1725                                                                                -
111E    1726                <1,PRCNAM_SWK,                                                  -
111E    1727                        PRCNAM_SWK25,ACCVIO,    -  ; SFSWK25
111E    1728                        PRCNAM_SWK26,NONEXPR,   -  ; SFSWK26
111E    1729                        PRCNAM_SWK27,IVLOGNAM,  -  ; SFSWK27
111E    1730                        PRCNAM_SWK28,IVLOGNAM,  -  ; SFSWK28
111E    1731 ;                      PRCNAM_SWK29,NOPRIV,    -  ; SFSWK29
111E    1732                                                        >,                      -
111E    1733                                                                                -
111E    1734                <1,DAYTIM_SWK,                                                  -
111E    1735                                                        >,                      -
111E    1736                                                                                -
111E    1737                <1,REPTIM_SWK,                                                  -
111E    1738                                                        >,                      -
111E    1739
13A4    1740             TS_CLEANUP              ; CLEAN UP & RETURN TO TEST_SERV_EXEC
```

```
                        13C4  1741                .SBTTL  EXECUTE & CLEANUP
                        13C4  1742   EXECUTE:
                        13C4  1743                TEST_SERV_EXEC                    ; EXECUTE ALL T. CASES IN ALL GROUPS
                        1400  1744   CLEANUP:
                        1400  1745                PRIV    ADD,ALL                   ; ENSURE THAT ALL PRIVS ARE PRESENT
                        1420  1746                $WAKE_S PRCNAM=DETNAME            ; WAKE DETACHED PROCESS ...
                        142F  1747                                                  ; ... TO ALLOW HIS EXIT
                        142F  1748                $QIOW_S CHAN=MBXCHAN, FUNC=#IO$_READVBLK, -
                        142F  1749                        P1=MBXBUFF+8, P2=MBXBUFF
                        1458  1750                                                  ; ... AND WAIT 4 PROC TO BE DELETED
                        1458  1751                $DELMBX_S  MBXCHAN                 ; DELETE TERMINATION MAILBOX
                        1466  1752                BSBW    MOD_MSG_PRINT             ; PRINT TEST MODULE END MSG
00000044'EF  01  1C  0138  30  1469  1753         INSV    #1,#STS$V_INHIB_MSG,#1,MOD_MSG_CODE
             01      :0                                                            ; INHIBIT PRINTING
                        1472  1754
                        1472  1755                $EXIT_S MOD_MSG_CODE              ; EXIT TO OP SYS WITH MSG CODE
```

```
147F   1757              .SBTTL  TC_CONTROL
147F   1758  ;++
147F   1759  ; FUNCTIONAL DESCRIPTION:
147F   1760  ;
147F   1761  ;          THE TC_CONTROL SUBROUTINE IS CALLED BY THE TEST_SERV_EXEC
147F   1762  ; MACRO TO EXECUTE A GROUP OF TEST CASES. A GROUP IS DEFINED BY A TC_GROUP
147F   1763  ; MACRO. FOR EACH TC_GROUP MACRO, THERE IS A CORRESPONDING TESTSERV MACRO.
147F   1764  ; TESTSERV CONTAINS CODE TO EXECUTE SYSTEM SERVICES AND CHECK THE RETURNED
147F   1765  ; STATUS CODE VALUES. TESTSERV ARGUMENTS ARE CODED TO SPECIFY ALL THE SYSTEM
147F   1766  ; SERVICE ARGUMENT VALUES AND THE EXPECTED STATUS CODE FOR EACH TEST CASE
147F   1767  ; DEFINED BY A NEXT TEST CASE MACRO WITHIN THE GROUP. TC_CONTROL USES A
147F   1768  ; CO-ROUTINE INTERFACE TO ENTER THE CODE OF THE APPROPRIATE TESTSERV MACRO
147F   1769  ; IN VARIOUS PLACES. THE FIRST ENTRY OCCURS ONCE PER GROUP TO ALLOW TESTSERV
147F   1770  ; TO DO SOME INITIALIZATION. THEN TWO ENTRIES ARE MADE FOR EACH TEST CASE IN
147F   1771  ; THE GROUP. THE FIRST ALLOWS TESTSERV TO ISSUE THE SUBJECT SYSTEM SERVICE.
147F   1772  ; THE SECOND ENTRY FOR THE TEST CASE CAUSES TESTSERV TO CHECK THE RETURNED
147F   1773  ; STATUS CODE, PRINTING A FAILURE MESSAGE IF IT IS NOT THE EXPECTED CODE.
147F   1774  ; IF THERE ARE NO MORE TEST CASES IN THE CURRENT GROUP, TESTSERV (NOT TC_CONTROL)
147F   1775  ; RETURNS DIRECTLY TO TEST_SERV_EXEC (RSB ACTUALLY ISSUED IN TS_CLEANUP MACRO)
147F   1776  ; FROM THIS SECOND ENTRY; OTHERWISE, CONTROL RETURNS TO TC_CONTROL WHICH
147F   1777  ; IN TURN ENTERS TESTSERV AGAIN FOR THE NEXT TEST CASE. THE FAILURE OF A
147F   1778  ; TEST CASE DOES NOT CAUSE TERMINATION OF THE TEST MODULE.
147F   1779  ;
147F   1780  ; CALLING SEQUENCE:
147F   1781  ;
147F   1782  ;      BSBW TC_CONTROL (ISSUED WITHIN THE TEST_SERV_EXEC MACRO)
147F   1783  ;                      (RSB IS ISSUED WITHIN THE TS_CLEANUP MACRO)
147F   1784  ;
147F   1785  ; INPUT PARAMETERS:
147F   1786  ;
147F   1787  ;      NONE
147F   1788  ;
147F   1789  ; IMPLICIT INPUTS:
147F   1790  ;
147F   1791  ;      ARGUMENTS SPECIFIED ON EACH TESTSERV MACRO MAY BE VIEWED AS
147F   1792  ;      INPUTS, SINCE TC_CONTROL AND TESTSERV ACT AS CO-ROUTINES.
147F   1793  ;
147F   1794  ; OUTPUT PARAMETERS:
147F   1795  ;
147F   1796  ;      SEVERITY CODE FIELD OF MOD_MSG_CODE (BITS 0,1,2) IS SET TO ERROR
147F   1797  ;      IF ANY TEST CASE IN THE CURRENT GROUP FAILS; OTHERWISE IT REMAINS
147F   1798  ;      SET TO SUCCESSFUL.
147F   1799  ;
147F   1800  ; IMPLICIT OUTPUTS:
147F   1801  ;
147F   1802  ;      %UETP-I-TEXT,  ERROR MESSAGES ARE WRITTEN TO SYS$OUTPUT BY
147F   1803  ;                     THE TESTSERV MACRO (CO-ROUTINE WITH TC_CONTROL)
147F   1804  ;
147F   1805  ; COMPLETION CODES:
147F   1806  ;
147F   1807  ;      NONE
147F   1808  ;
147F   1809  ; SIDE EFFECTS:
147F   1810  ;
147F   1811  ;      NONE
147F   1812  ;
147F   1813  ;--
```

```
                              147F   1814
                              147F   1815
                              147F   1816
                              147F   1817  TC_CONTROL:
          00000064'EF   DD    147F   1818       PUSHL   TS_EP                   ; PUSH TESTSERV ENTRY POINT
                  9E   16    1485   1819       JSB     @(SP)+                  ; ENTER TESTSERV INITIALIZATION
                              1487   1820  10$:                                 ; PROCESS NEXT TEST CASE
          00000056'EF   20   90    1487   1821       MOVB    #^A/ /,.SSTSTN$$+2      ; MAKE SURE T.C. NAME HAS A BLANK
                  002F  30    148E   1822       BSBW    REG_SAVE                ; SAVE REGISTERS
          00000004'FF   16    1491   1823       JSB     @CURRENT_TC             ; JUMP TO CURRENT TEST CASE
                  0037  30    1497   1824       BSBW    REG_REST                ; RESTORE REGS FOR TESTSERV
                  9E   16    149A   1825       JSB     @(SP)+                  ; LET TESTSERV ISSUE SYSTEM SERVICE
                  0042  30    149C   1826       BSBW    REG_COMP                ; COMPARE REGS TO SEE IF ...
                              149F   1827                                       ; ... SYSTEM SERVICE CHANGED ANY
                  9E   16    149F   1828       JSB     @(SP)+                  ; LET TESTSERV CHEK S.S. STATUS CODE
          00000056'EF   2A   91    14A1   1829       CMPB    #^A/*/,.SSTSTN$$+2     ; HAS TESTSERV INDICATED FAILURE ?
                  DD   12    14A8   1830       BNEQU   10$                     ; NO -- PROCESS NEXT TEST CASE
  00000060'EF   00000088'EF  DE    14AA   1831       MOVAL   TEST_MOD_FAIL,TMD_ADDR  ; YES -- INDICATE FAILED IN END MSG
  00000044'EF   03  00  02   F0    14B5   1832       INSV    #ERROR,#0,#3,MOD_MSG_CODE ; ADJUST STATUS CODE FOR ERROR
                  C7   11    14BE   1833       BRB     10$                     ; LOOP BAK TO PROCESS NEXT TEST CASE
                              14C0   1834  ;
                              14C0   1835  ;    TC_CONTROL RETURNS TO TEST_SERV_EXEC VIA TESTSERV (IN TS_CLEANUP MACRO)
                              14C0   1836  ;
```

```
                          14C0  1838                    .SBTTL  SUBROUTINES
                          14C0  1839  REG_SAVE:
                          14C0  1840  ;
                          14C0  1841  ; ****************************************************************
                          14C0  1842  ; *                                                              *
                          14C0  1843  ; *   SAVES R0 THRU SP IN REG_SAVE_AREA                           *
                          14C0  1844  ; *                                                              *
                          14C0  1845  ; ****************************************************************
                          14C0  1846  ;
                  7FFF 8F BB 14C0  1847             PUSHR   #R0_THRU_SP           ; SAVE ALL REGS ON STACK
  00000008'EF  6E  3C  28 14C4  1848             MOVC3   #60,(SP),REG_SAVE_AREA ; SAVE REGS (BEFORE S.S.)
                  7FFF 8F BA 14CC  1849             POPR    #R0_THRU_SP           ; CLEAN UP STACK
                        05 14D0  1850             RSB                          ; .... AND RETURN
                          14D1  1851  ;
                          14D1  1852  ;
                          14D1  1853  ;
                          14D1  1854  ;
                          14D1  1855  REG_REST:
                          14D1  1856  ;
                          14D1  1857  ;
                          14D1  1858  ; ****************************************************************
                          14D1  1859  ; *                                                              *
                          14D1  1860  ; *   RESTORES R0 THRU SP FROM REG_SAVE_AREA                      *
                          14D1  1861  ; *                                                              *
                          14D1  1862  ; ****************************************************************
                          14D1  1863  ;
              5E  3C  C2 14D1  1864             SUBL2   #60,SP                 ; MOVE SP TO MAKE ROOM FOR REGS
  6E 00000008'EF 3C  28 14D4  1865             MOVC3   #60,REG_SAVE_AREA,(SP) ; MOVE REGS ONTO STACK FOR POP
                  7FFF 8F BA 14DC  1866             POPR    #R0_THRU_SP           ; RESTORE ALL REGS FOR TESTSERV
                        05 14E0  1867             RSB                          ; ... AND RETURN
```

```
                              14E1  1869  REG_COMP:
                              14E1  1870  ;
                              14E1  1871  ; ***********************************************************
                              14E1  1872  ; *                                                         *
                              14E1  1873  ; *   1) PUSHES ALL REGS ONTO STACK                         *
                              14E1  1874  ; *   2) COMPARES REGISTER IMAGES FROM STACK WITH CORRESPONDING *
                              14E1  1875  ; *        IMAGES FROM REG_SAVE_AREA FOR ALL REGISTERS SPECIFIED *
                              14E1  1876  ; *        IN REG_COMP MASK.                                 *
                              14E1  1877  ; *   3) FOR EACH UNEQUAL COMPARE, AN ERROR MESSAGE IS PRINTED *
                              14E1  1878  ; *        (USING $FAO AND $OUTPUT SYSTEM SERVICES).         *
                              14E1  1879  ; *   4) POPS ALL REGS OFF OF STACK                         *
                              14E1  1880  ; *                                                         *
                              14E1  1881  ; ***********************************************************
                              14E1  1882  ;
                7FFF 8F  BB   14E1  1883         PUSHR   #R0_THRU_SP              ; SAVE ALL REGISTERS ON STACK
        56  00000008'EF  DE   14E5  1884         MOVAL   REG_SAVE_AREA,R6        ; POINT R6 TO BEG OF ...
                              14EC  1885                                         ; ... REGS (BEFORE S.S.)
                54  5E  DO    14EC  1886         MOVL    SP,R4                   ; POINT R4 TO BEG OF
                              14EF  1887                                         ; ... REGS (AFTER S.S.)
            53  FF 8F  98     14EF  1888         CVTBL   #-1,R3                  ; INITIALIZE REG_COMP_MASK INDEX
                              14F3  1889  REG_COMP_NEXT:
                    53  D6    14F3  1890         INCL    R3                      ; POINT TO NEXT BIT IN MASK
                53  0F  91    14F5  1891         CMPB    #15,R3                  ; END OF THE MASK ?
                    03  1A    14F8  1892         BGTRU   REG_COMP_CONT           ; NO -- CONTINUE
                    009F  31  14FA  1893         BRW     REG_COMP_RSB            ; YES -- GO TO COMMON RETURN
                              14FD  1894  REG_COMP_CONT:
                84  86  D1    14FD  1895         CMPL    (R6)+,(R4)+             ; REG BEFORE = REG AFTER ?
                    F1  13    1500  1896         BEQLU   REG_COMP_NEXT           ; YES -- LOOK FOR NEXT REG
        E9 00000000'EF  53  E1  1502  1897       BBC     R3,REG_COMP_MASK,REG_COMP_NEXT
                              150A  1898                                         ; NO -- GET NEXT IF BIT NOT SET
        00000048'EF  53  DO   150A  1899         MOVL    R3,CLOB_REG_NO          ; NO -- GIVE REG NUMBER TO FAO
    0000004C'EF  FC A6  DO    1511  1900         MOVL    -4(R6),REG_BEFORE_SS    ; GIVE 'BEFORE' CONTENTS TO FAO
        00000050'EF  FC A4  DO  1519  1901       MOVL    -4(R4),REG_AFTER_SS     ; GIVE 'AFTER' CONTENTS TO FAO
        00000056'EF  2A  90   1521  1902         MOVB    #^A/*/,$$TSTN$$+2       ; GIVE FAILURE INDIC'N IN ERROR MSG
                              1528  1903  ;
                              1528  1904         $FAO_S  ERR_MSG_FAOCTL,OUTL,OUTD,$$SNAD$$, -
                              1528  1905                 $$ASEQ$$,$$PSEQ$$,CLOB_REG_NO,REG_BEFORE_SS,REG_AFTER_SS
                              155B  1906  ;
        EC5C CF  EC26 CF  BO  155B  1907         MOVW    OUTL,OUTD               ; ACTUAL OUTPUT LEN IN STRING DESC'R
                              1562  1908         PUTMSG  <#UETPS_TEXT,#1,#OUTD>  ; PRINT THE MSG
        EC40 CF  0084 8F  BO  1577  1909         MOVW    #OUTE-OUTB,OUTD         ; GET MAX LEN BACK INTO DESCRIPTOR
        00000056'EF  20  90   157E  1910         MOVB    #^A/ /,$$TSTN$$+2       ; REMOVE FAIL INDIC'N FOR NEXT MSG
    00000060'EF  00000088'EF  DE  1585  1911     MOVAL   TEST_MOD_FAIL,TMD_ADDR  ; INDICATE FAILED IN END MSG
    00000044'EF  03  00  02  FO  1590  1912      INSV    #ERROR,#0,#3,MOD_MSG_CODE ; ADJUST STATUS CODE FOR ERROR
                    FF57  31  1599  1913         BRW     REG_COMP_NEXT           ; GO LOOK FOR NEXT REG TO COMPARE
                              159C  1914  REG_COMP_RSB:
                7FFF 8F  BA   159C  1915         POPR    #R0_THRU_SP             ; CLEAN UP STACK
                    05       15A0  1916         RSB                             ; RETURN TO CALLER
```

```
                    15A1   1918 MOD_MSG_PRINT:
                    15A1   1919 ;
                    15A1   1920 ;       ************************************************************
                    15A1   1921 ;       *                                                          *
                    15A1   1922 ;       *   PRINTS THE TEST MODULE BEGUN/SUCCESSFUL/FAILED MESSAGES *
                    15A1   1923 ;       *       (USING THE PUTMSG MACRO).                           *
                    15A1   1924 ;       *                                                          *
                    15A1   1925 ;       ************************************************************
                    15A1   1926 ;
                    15A1   1927 ;           PUTMSG  <MOD_MSG_CODE,#2,TMN_ADDR,TMD_ADDR> ; PRINT MSG
               05   15BC   1928            RSB                                    ; ...AND RETURN TO CALLER
                    15BD   1929 ;
                    15BD   1930 CHMRTN:
                    15BD   1931 ;       ************************************************************
                    15BD   1932 ;       *                                                          *
                    15BD   1933 ;       *   CHANGE MODE ROUTINE. THIS ROUTINE GETS CONTROL WHENEVER *
                    15BD   1934 ;       *   A CMKRNL, CMEXEC, OR CMSUP SYSTEM SERVICE IS ISSUED     *
                    15BD   1935 ;       *   BY THE MODE MACRO ('TO' OPTION).  IT MERELY DOES        *
                    15BD   1936 ;       *   A JUMP INDIRECT ON A FIELD SET UP BY MODE. IT HAS       *
                    15BD   1937 ;       *   THE EFFECT OF RETURNING TO THE END OF THE MODE          *
                    15BD   1938 ;       *   MACRO EXPANSION.                                        *
                    15BD   1939 ;       *                                                          *
                    15BD   1940 ;       ************************************************************
                    15BD   1941 ;
              0000  15BD   1942            .WORD   0                          ; ENTRY MASK
00000079'FF     17  15BF   1943            JMP     @CHM_CONT                  ; RETURN TO MODE MACRO IN NEW MODE
                    15C5   1944 ;
                    15C5   1945 ; *    RET INSTR WILL BE ISSUED IN EXPANSION OF 'MODE FROM, ....' MACRO
                    15C5   1946 ;
                    15C5   1947            .END    SATSSF05
```

```
$$$CHARS              = 00000048          PHD$Q_PRIVMSK        = 00000000
$$$FIRSTTC$$$         = 00000000          PIDADR_RES             0000017C R     03
$$$STRINGS           = 00000000          PIDADR_RES10         = 00000001
$$ACT$$                0000019D R     06  PIDADR_RES11           0000001B R     05
$$ARG$$                000001A5 RR    06  PIDADR_RES12         = 000001FF R     04
$$ASEQ$$               00000195 RR    06  PIDADR_RES13           00000180 R     03
$$CALL$$               00000189 R     06  PIDADR_RES14           00000184 R     03
$$DISP$$               00000290 R     06  PIDADR_SUS             00000170 R     03
$$ERR$$                0000024A R     06  PIDADR_SUS10         = 00000001
$$EXP$$                000001A1 R     06  PIDADR_SUS11           00000008 R     05
$$INIT$$               0000018D R     06  PIDADR_SUS12         = 000001FF R     04
$$MAXP$$             = 00000005          PIDADR_SUS13           00000174 R     03
$$PSEQ$$               00000199 R     06  PIDADR_SUS14           00000178 R     03
$$SNAD$$               00000191 R     06  PIDADR_SWK             00000188 R     03
$$T1                 = 00000004          PIDADR_SWK10         = 00000001
$$T2                 = 00000009          PIDADR_SWK11           0000002E R     05
$$TSTN$$               00000054 R     03  PIDADR_SWK12         = 000001FF R     04
CHMRTN                 000015BD R     06  PIDADR_SWK13           0000018C R     03
CHM_CONT               00000079 R     03  PIDADR_SWK14           00000190 R     03
CLEANUP                00001400 R     06  PRCNAM_RES             00000133 R     02
CLOB_REG_NO            00000048 R     03  PRCNAM_RES20           0000001F R     05
CTL$GL_PRD             ******** X     06  PRCNAM_RES21         = 000001FF R     04
CURRENT_TC             00000004 R     03  PRCNAM_RES22           000001FC R     04
DAYTIM_SWK             000001B9 R     02  PRCNAM_RES23           000001FB R     04
DAYTIM_SWK30         = 00000000          PRCNAM_RES24           00000143 R     02
DAYTIM_SWK31           00000041 R     05  PRCNAM_RES25           000001F3 R     04
DAYTIM_SWK32         = 000001FF R     04  PRCNAM_RES26           0000014B R     02
DETFLAG              = 00000040          PRCNAM_RES27           0000015A R     02
DETIMAGE               000000BD R     02  PRCNAM_RES28           0000015E R     02
DETNAME                000000DC R     02  PRCNAM_SUS             000000F0 R     02
DEYUIC                 00000091 R     03  PRCNAM_SUS20           0000000C R     05
DIB$W_UNIT           = 0000000C          PRCNAM_SUS21         = 000001FF R     04
EMPTY                  00000000 R     04  PRCNAM_SUS22           000001FC R     04
ERROR                = 00000002          PRCNAM_SUS23           000001FB R     04
ERR_MSG_FAOCTL         00000002 R     02  PRCNAM_SUS24           00000100 R     02
EXECUTE                000013C4 R     06  PRCNAM_SUS25           000001F3 R     04
GRP_TOTAL            = 00000006          PRCNAM_SUS26           00000108 R     02
INADR                  000000A9 R     02  PRCNAM_SUS27           00000117 R     02
INFO                 = 00000003          PRCNAM_SUS28           0000011B R     02
IO$_READVBLK           ******** X     06  PRCNAM_SWK             00000176 R     02
LIB$SIGNAL             ******** X     06  PRCNAM_SWK20           00000032 R     05
MBXBUFF                000000F0 R     03  PRCNAM_SWK21         = 000001FF R     04
MBXCHAN                00000095 R     03  PRCNAM_SWK22           000001FC R     04
MBXCHANINFO            00000099 R     03  PRCNAM_SWK23           000001FB R     04
MBXUNIT                000000EC R     03  PRCNAM_SWK24           00000186 R     02
MEXIT                = 00000000          PRCNAM_SWK25           000001F3 R     04
MOD_MSG_CODE           00000044 R     03  PRCNAM_SWK26           0000018E R     02
MOD_MSG_PRINT          000015A1 R     06  PRCNAM_SWK27           0000019D R     02
NARGS                = 0000000E          PRCNAM_SWK28           000001A1 R     02
NOACCESS               00000000 R     05  PRIVMASK               00000071 R     03
NSSARGS              = 00000004          PRIV_ARGS            = 00000002
ONES                   000000B5 R     02  PROT                   000000B1 R     02
OUTB                   000001C6 R     06  PRT$C_NA               ******** X     02
OUTD                   000001BE R     06  PRVPRT                 00000070 R     03
OUTE                   0000024A R     06  RO_THRU_SP           = 00007FFF
OUTL                   00000185 R     06  REGS                   0000007D R     03
PCB$L_UIC            = 000000BC          REG_AFTER_SS           00000050 R     03
```

```
REG_BEFORE_SS          0000004C R      03      TMD_ADDR               00000060 R      03
REG_COMP               000014E1 R      06      TMN_ADDR               0000005C R      03
REG_COMP_CONT          000014FD R      06      TPID                   00000000 R      03
REG_COMP_MASK          00000000 R      02      TS1                    0000079A R      06
REG_COMP_NEXT          000014F3 R      06      TS2                    0000094E R      06
REG_COMP_RSB           0000159C R      06      TS3                    00000AD1 R      06
REG_REST               000014D1 R      06      TS4                    00000C85 R      06
REG_SAVE               000014C0 R      06      TS5                    00000E08 R      06
REG_SAVE_AREA          00000008 R      03      TS6                    0000111E R      06
REPTIM_SOK             000001C1 R      02      TS_EP                  00000064 R      03
REPTIM_SWK40         = 00000001                TTNAME                 0000009F R      02
REPTIM_SWK41           00000049 R      05      UETP$_SATSMS         = 007480D9
REPTIM_SWK42         = 000001FF R      04      UETP$_TEXT           = 00741133
REPTIM_SWK43           000001C9 R      02      WARNING              = 00000000
REPTIM_SWK44           000001D1 R      02
RETADR                 00000068 R      03
SATSSF05               00000000 R      06
SCH$GL_CURPCB          ******** X      06
SEVERE               = 00000004
SHR$K_SHRDEF         = 00000001
SHR$_TEXT            = 00001130
SS$_ACCVIO             ******** X      06
SS$_IVLOGNAM           ******** X      06
SS$_IVTIME             ******** X      06
SS$_NONEXPR            ******** X      06
STS$V_INHIB_MSG      = 0000001C
SUCCESS              = 00000001
SYS$CMKRNL             ******** GX     06
SYS$CREMBX             ******** GX     06
SYS$CREPRC             ******** GX     06
SYS$DELMBX             ******** GX     06
SYS$EXIT               ******** GX     06
SYS$FAO                ******** X      06
SYS$FAOL               ******** GX     06
SYS$GETCHN             ******** GX     06
SYS$HIBER              ******** GX     06
SYS$QIOW               ******** GX     06
SYS$RESUME             ******** GX     06
SYS$SCHDWK             ******** GX     06
SYS$SETPRN             ******** GX     06
SYS$SETPRT             ******** GX     06
SYS$SETPRV             ******** GX     06
SYS$SUSPND             ******** GX     06
SYS$WAKE               ******** GX     06
TC1                    000002EB R      06
TC2                    000003D2 R      06
TC3                    00000435 R      06
TC4                    0000053C R      06
TC5                    0000059F R      06
TC6                    00000736 R      06
TCG_NO               = 00000006
TC_CONTROL             0000147F R      06
TEST_MOD_BEG           00000077 R      02
TEST_MOD_FAIL          00000088 R      02
TEST_MOD_NAME          0000006E R      02
TEST_MOD_NAME_D        0000008F R      02
TEST_MOD_SUCC          0000007D R      02
```

```
                            +------------------+
                            ! Psect synopsis !
                            +------------------+

PSECT name                  Allocation        PSECT No.  Attributes
----------                  ----------        ---------  ----------
.  ABS  .                   00000000 (     0.) 00 (  0.) NOPIC  USR  CON  ABS  LCL NOSHR NOEXE NORD  NOWRT NOVEC BYTE
$ABS$                       00000000 (     0.) 01 (  1.) NOPIC  USR  CON  ABS  LCL NOSHR  EXE   RD    WRT NOVEC BYTE
RODATA                      000001D9 (   473.) 02 (  2.) NOPIC  USR  CON  REL  LCL NOSHR NOEXE  RD  NOWRT NOVEC LONG
RWDATA                      00000194 (   404.) 03 (  3.) NOPIC  USR  CON  REL  LCL NOSHR NOEXE  RD    WRT NOVEC BYTE
SATS_ACCVIO_1               00000200 (   512.) 04 (  4.) NOPIC  USR  CON  REL  LCL NOSHR NOEXE  RD    WRT NOVEC PAGE
SATS_ACCVIO_2               00000200 (   512.) 05 (  5.) NOPIC  USR  CON  REL  LCL NOSHR NOEXE  RD    WRT NOVEC PAGE
SATSSF05                    000015C5 (  5573.) 06 (  6.) NOPIC  USR  CON  REL  LCL NOSHR  EXE   RD    WRT NOVEC LONG
```

```
                            +------------------------+
                            ! Performance indicators !
                            +------------------------+

Phase                   Page faults   CPU Time       Elapsed Time
-----                   -----------   --------       ------------
Initialization                  31    00:00:00.08    00:00:00.44
Command processing             107    00:00:00.68    00:00:01.98
Pass 1                         494    00:00:22.44    00:00:45.97
Symbol table sort                0    00:00:01.39    00:00:03.20
Pass 2                         450    00:00:06.44    00:00:13.87
Symbol table output             26    00:00:00.17    00:00:00.38
Psect synopsis output            6    00:00:00.04    00:00:00.04
Cross-reference output           0    00:00:00.00    00:00:00.00
Assembler run totals          1116    00:00:31.24    00:01:05.88
```

The working set limit was 900 pages.
124543 bytes (244 pages) of virtual memory were used to buffer the intermediate code.
There were 50 pages of symbol table space allocated to hold 687 non-local and 218 local symbols.
1947 source lines were read in Pass 1, producing 37 object records in Pass 2.
72 pages of virtual memory were used to define 55 macros.

```
                            +--------------------------+
                            ! Macro library statistics !
                            +--------------------------+

Macro library name                          Macros defined
------------------                          --------------
_$255$DUA28:[SHRLIB]UETP.MLB;1                    19
_$255$DUA28:[SYS.OBJ]LIB.MLB;1                     2
_$255$DUA28:[SYSLIB]STARLET.MLB;2                 28
TOTALS (all libraries)                           49
```

1342 GETS were required to define 49 macros.

There were no errors, warnings or information messages.

MACRO/LIS=LIS$:SATSSF05/OBJ=OBJ$:SATSSF05 MSRC$:SATSSF05/UPDATE=(ENH$:SATSSF05)+EXECML$/LIB+SHRLIB$:UETP/LIB

SATSSF02
LIS

SATSSF03
LIS

SATSSF05
LIS

SATSSF04
LIS

SATSSF07
LIS

SATSSF06
LIS